

# **FEDERAL ITEM IDENTIFICATION GUIDE**

## **SURGICAL CATHETERS, DRAINS, TUBES, AND RELATED ITEMS**

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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## GENERAL INFORMATION

### 1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

### 2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

#### a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

#### b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (\*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (\*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (\*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (\*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

<u>MRC</u>	<u>Mode</u> <u>Code</u>	<u>Requirement</u>	<u>Example</u>
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

#### 4. Special Instructions and Indicator Definitions

##### a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

##### b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

#### 5. Indexes

##### a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

##### b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

##### c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

#### 6. Maintenance

Requests for revisions and other changes will be directed to:

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
<b>Catheter</b>		
<p>1. A surgical item consisting of a hollow cylinder which may have features for anchoring, positioning, and is designed for irrigating, intubating, or inoculating. It is inserted into a natural opening of the human body for diagnostic exploration, observation, therapeutic administration of medication, or to facilitate the escape of fluids from cavities. For items having anchoring or positioning features designed for insertion through incisions, see CATHETER (2), (as modified). For items having anchoring or positioning features designed for insertion through incisions or wounds, see DRAIN, SURGICAL.</p> <p>2. A surgical item consisting of a hollow cylinder which may have features for anchoring, positioning, and is designed for insertion into a puncture or incision made by a needle or other surgical instrument. The puncturing device may be a component of the item. For items designed to be inserted through a natural opening, see CATHETER (1), (as modified) or TUBE, (as modified).</p>		
CATHETER, AIRWAY EXCHANGE	53178	AA
An item used for replacement of endotracheal tubes where the inner diameter is 5mm or larger. This item is for use with special adapter and sized or luer lock connector. It may have distal sideports for additional airflow and centimeter markings to facilitate accurate placement of shortened endotracheal tubes.		
CATHETER AND CONNECTOR, SUCTION, TRACHEAL	36400	BA
A tracheal catheter and suction fitting used with an endotracheal set for aspiration of mucus from trachea.		
CATHETER AND NEEDLE SET, JEJUNOSTOMY	39307	KC
An item designed for use in the surgical creation of a permanent opening through the abdominal wall into the jejunum.		
CATHETER AND NEEDLE UNIT, INTRAVENOUS	29491	FA
An item consisting of a cannulated needle with an intravenous catheter, and it may contain additional components, such as a hypodermic syringe, needle guard, flow control plug, and the like. The catheter is inserted into the vein by way of the needle's puncture, and is left in position for continued intravenous administration after the needle is withdrawn. A syringe, when supplied, is used to better control insertion of the catheter needle unit or for blood aspiration.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
CATHETER AND TROCAR, THORACIC	49884	AB
An item with a surgical trocar instrument seated precisely in a CATHETER, THORACIC. Designed with a trocar point which penetrates the chest wall and carries the catheter with it through the puncture site. It is held tightly in the wound preventing leakage, reducing the risk of infection, and assure safe, controlled insertion. Excludes CATHETER, THORACIC.		
CATHETER AND TROCAR, URINARY BLADDER	32157	GA
A specially designed catheter containing a trocar for indwelling suprapubic drainage of the urinary bladder.		
CATHETER, ANGIOGRAPHY	52219	AA
A sterile, radiopaque, multipurpose item for various types of cardiac angiographic studies. It may have an open tip with two sideports on the distal end and is able to accept a 0.045 inch guide wire. Excludes CATHETER, CARDIOVASCULAR.		
CATHETER, ANGIOGRAPHY, VISCERAL	52218	AA
A sterile, disposable, radiopaque item used with a special style tip and a one-way nonmetallic stopcock without sideports. It is used for angiographic procedures in radiology.		
CATHETER (2), ARTERIAL EMBOLECTOMY	30493	AB
An item designed for arterial insertion, to facilitate retrograde withdrawal of emboli and propagated clot(s).		
CATHETER, ARTERIAL IRRIGATION	39390	AB
An item designed for use in irrigating and heparinizing arterial blood vessels after using an embolectomy catheter.		
CATHETER, ARTERIAL RADIAL	50035	AA
An item designed to be used when a series of blood samples are required over a period to avoid reentry into the arm artery.		
CATHETER (1), BILIARY	37375	HA
An item designed to facilitate irrigation and observation of the common duct. Simplifies the removal of intraductal stones and debris including those in the intrahepatic ducts.		
CATHETER, BRONCHIAL	33087	KA
An elastic tube with graduations. It has a tip highly permeable to X-rays. It is used to make the bronchial system visible by administration of a contrast medium.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
CATHETER, CARDIOVASCULAR	33294	AB
A disposable item designed to be used either intra-arterially and/or intravenously for delivering radiopaque media to selected sites in the vascular system as in angiography.		
CATHETER, CHOLANGIOGRAPHY	38982	HA
An item designed for use in performing roentgenography of biliary ducts after administration or injection of a contrast medium. Excludes CATHETER (1), BILIARY.		
CATHETER, CHOLANGIOGRAPHY AND PANCREATOGRAPHY, ENDOSCOPIC	47971	HA
An item designed to be used for cannulation of common bile and pancreatic ducts. This item can be used with various diameter wire guide catheters. It may have etched markings at the distal tip and a double female side arm luer lock fitting and can be autoclavable. Excludes CATHETER, CHOLANGIOGRAPHY.		
CATHETER DEVICE, FIXATION	52654	AA
An item primarily used to stabilize indwelling catheters. It is designed for use with various sizes of catheters. It is intended for one-time use.		
CATHETER (2), EPIDURAL ANESTHESIA	37005	AB
An item with an open tip and connector end or funnel designed for epidural anesthesia.		
CATHETER (1), EUSTACHIAN	08475	AA
An item with an open tip and funnel end used for treating diseases of the middle ear.		
CATHETER EXTENSION, PERITONEAL DIALYSIS	51230	KD
An item designed to aid in handling and clamping the male/female transfer set. It is compatible for use with the safe lock transfer sets, continuous ambulatory peritoneal dialysis (CAPD) freedom sets, safe lock cycler sets with a male safe lock connector on the patient line, universal connector, catheter adapter sealing cap, and other safe lock ancillaries. May be with or without roller clamp. Excludes CATHETER (2), PERITONEAL DIALYSIS.		
CATHETER, HEMODIALYSIS	38858	AB
CATHETER (2), ILEAL CONDUIT	39803	AB
An item designed to be inserted through the stoma to obtain an uncontaminated urine specimen from the ileal conduit of a person with urinary diversion.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
CATHETER, INTRAUTERINE INJECTION	50034	KD
An item designed to be used for injection of contrast medium into the uterus and fallopian tube(s) for hysterosalpingography, or for the injection of methylene blue dye into the uterus and fallopian tube(s) during laparotomy, tuboplasty, and/or tubal anastomosis procedures. May include a latex balloon which stabilizes the catheter in the uterus.		
CATHETER, INTRAUTERINE INSEMINATION	48754	KD
A flexible item with an open tip and may contain a long luer-lock adapter. It is designed for insertion into the uterus and is for use with sperm preparation system.		
CATHETER (2), INTRAVENOUS	28249	AB
A component of a CATHETER AND NEEDLE UNIT, INTRAVENOUS. It is a flexible, homogenous, hollow, cylindrical item, having a funnel or luer end, suitable for introduction into a vein. It is nontoxic and free from tissue reaction, and capable of insertion through a hypodermic needle of specific size. For items without funnel or luer end, see TUBE, INTRAVENOUS.		
CATHETER, JEJUNAL	41635	DA
An item designed for insertion through the upper jejunum or stoma to permit expedient total decompression of the entire length of the intestine and helps avoid possible complications of prolonged nasogastric intubation. Excludes CATHETER AND NEEDLE SET, JEJUNOSTOMY.		
CATHETER (1), NASAL	13320	AA
An item with an open tip and connector end or funnel end designed for drainage, irrigation, administration of medication, and administration of oxygen through the nasal passage.		
CATHETER, NASAL BILIARY DRAINAGE, ENDOSCOPIC	48549	AA
An item with sideports designed to be used for biliary duct drainage through the nasal passage. Excludes CATHETER (1), BILIARY; CATHETER (1), NASAL; and DRAINAGE SET, BILIARY DUCT.		
CATHETER, NEPHROSTOMY	48621	KD
An accessory component of an catheter set, nephrostomy, which is placed percutaneously through an existing nephrostomy tract, for drainage in the renal pelvis.		
CATHETER (2), PEDIATRIC	37536	AB
A catheter with an open tip and connector end or funnel end. Designed for the administration of medicine, observation, exploration or the escape of fluids from cavities of children.		
CATHETER (2), PERITONEAL DIALYSIS	29398	CA
A component of an ADMINISTRATION SET, PERITONEAL DIALYSIS, which is inserted into the peritoneal cavity either by the use of a trocar and cannula or through a surgical incision.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
CATHETER (1), RECTAL	08480	HL
An item with an enema tip, funnel(s), and irrigation lumen(s), and may contain an inflatable balloon. It is designed for insertion in the rectum, and is used for administering barium enemas or positioning of the prostate during a prostatic resection procedure.		
CATHETER, RENAL, MULTIPURPOSE	51688	KD
An item designed to be used on patients with renal artery stresses, which are needed to place arterial stents in the renal arteries across the lesion. It is designed with a large inner lumen to accept most peripheral balloon sizes and changing technique such as stents, laser, artherectomy, ultrasound and angiосcopy devices.		
CATHETER, SHUNT, ANEURYSM	46815	AB
A sterile, disposable item designed for use during abdominal and thoracic bypass surgical procedures. It is transparent to permit observation of bubble entrapment and blood flow. The entire lumen and outer surface of the tip shall be coated with a heparin complex to inhibit catheter-induced blood clot formation.		
CATHETER, SHUNT, VENTRICULAR	47986	AA
An item designed for use in neurosurgical procedures for shunting cerebrospinal fluid from the ventricles of the brain. It has multiple small perforations near the tip to facilitate drainage of cerebrospinal fluid (CSF), and to help reduce clogging of the catheter lumen. Excludes CATHETER, SHUNT, ANEURYSM and CATHETERIZATION SET, SHUNT.		
CATHETER-SPECIMEN COLLECTING UNIT, TRACHEAL	36537	BA
An item consisting of a specimen container with a catheter and suction tube used in obtaining mucous samples from the respiratory tract.		
CATHETER (2), SPINAL ANESTHESIA	08476	HB
An item primarily designed as a component of an ANESTHESIA SET, SPINAL which is left in position for continued anesthesia administration after the needle, which punctured the body, has been withdrawn. The item is designed for insertion into the puncture while inside the needle.		
CATHETER, SUCTION, SURGICAL	48051	AA
An item designed to be used for gentle removal of respiratory tract secretions. The item can also be used as vacuum breakers to help prevent tissue from being pulled into the tube. Excludes TUBE, SUCTION, SURGICAL.		
CATHETER, THORACIC	38945	AB
An item with an open tip and connector end designed for use in drainage of chest wounds.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
CATHETER, TIP DEFLECTING	47021	GA
An item which is sized to exact length. It is designed for use with GUIDE WIRE, TIP DEFLECTING for curving or deflecting the catheter during selective, superselective angiography, translumbar aortography, bronchography, and other techniques. It may have sideports used in any tip configuration.		
CATHETER (1), TRACHEAL	08477	CA
An item with an open tip and connector end or funnel end designed to be inserted into the trachea by way of the nasal or oral passages for endotracheal intubation.		
CATHETER (2), UMBILICAL	32336	CA
A soft thermosensitive item with an open tip and connector or funnel end, primarily designed for insertion into the umbilical artery or vein.		
CATHETER (1), URETERAL	08478	HA
An item designed for insertion through the urinary tract into the section between the bladder and the kidney to allow drainage, irrigation, observation, and application of medication. For items designed to permit drainage of the bladder, or the tract leading up to the bladder, see CATHETER, URETHRAL. For items designed to be inserted through an incision or wound, see DRAIN, SURGICAL and TUBE, (as modified).		
CATHETER (1), URETHRAL	08473	GA
An item designed for insertion through the urinary tract as far as the bladder to allow drainage, irrigation, observation, and application of medication. For items designed to drain the ureter, see CATHETER, URETERAL. For items designed to be inserted through an incision or wound, see DRAIN, SURGICAL and TUBE, (as modified).		
CATHETER, URETHRAL EXTERNAL MALE, INCONTINENCE	42828	AB
An item made of non-allergenic material designed to fit snugly over the penis, allowing controlled urinary output without danger of infection or patient discomfort. This easily connects to any type of leg bag or drainage system. For complete units with a catheter and collection bag, see URINAL, INCONTINENT.		
CATHETER, UTERINE PRESSURE MONITORING	47298	AB
An item designed for use in monitoring intrauterine pressure. May include transducer tip and introducer. Excludes CATHETERIZATION KIT, INTRAUTERINE MONITORING.		
DRAIN-PROBE, SUCTION, SURGICAL	47028	LA
An item designed to remove condensation fluids directly to a closed suction canister, safely and quickly from the ventilator circuit, in order to protect the patient and clinician from aerosol and splash contamination. Excludes DRAIN-RESERVOIR, SUCTION, SURGICAL.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
DRAIN-RESERVOIR, SUCTION, SURGICAL	42249	LA
An item designed to be used for closed wound drainage during surgical procedures. Excludes DRAIN, SURGICAL; TUBE, DRAINAGE (as modified); DRAINAGE UNIT, PLEURAL CAVITY; and EVACUATOR, SURGICAL WOUND.		
DRAIN, SURGICAL	28842	EA
An item consisting of a hollow cylinder which is anchored or positioned by a flange, branches, or balloons. It is used to facilitate the escape of fluids from cavities by insertion through a wound or incision. For tubular items without anchoring or positioning features that are inserted in incisions or wounds, see TUBE, DRAINAGE, SURGICAL. For items designed for insertion into the natural openings of the human body, see CATHETER (1), (as modified).		
DRAIN, WICK, OPHTHALMIC	38316	AA
An item designed to remove irrigating fluids from the operational site while allowing an unobstructed view of the eye.		
FASTENER, TUBING, CATHETER	53314	KD
An item used to securely hold the catheter tube in place during various medical applications. May be molded to fit the body shape.		
HANDLE AND VALVE, SUCTION TIP, SURGICAL	46295	KD
An item designed for use with a suction and irrigation system. May have a suction tube which attaches to a large connector and cysto irrigating set attached to a small connector. It may also be used with all tips, and can be autoclavable. Excludes HANDLE, SUCTION, SURGICAL.		
HANDLE, SUCTION, SURGICAL	40482	BA
An item designed for blood and/or fluid suctioning during abdominal and other types of surgery. May have control vent or preconnected conductive or non-conductive tube.		
INJECTOR, TUBE	47462	FA
A plastic, reusable item, designed to accommodate 1 ml and 2 ml medication needle/cartridge units for intravenous drug administration. Includes plunger rod, ribbed collar, and finger guard.		
INJECTOR, UTERINE	45814	BA
An item designated for use in gynecological procedures requiring injection of gas contrast media.		
INSERTER, TUBE EAR VENTILATION	45601	AB
An item designed to allow a tube to be inserted through a small incision of the ear drum. It is used as part of tube ear ventilation.		



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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
INTRODUCER, STYLET, TRACHEAL TUBE	51572	AA

An item designed to simplify difficult intubations, especially when blind intubations and tracheal tube exchanges are being performed. It may have a satin smooth coating to reduce friction. (This item is to be used for intubation only, and may not be used as a tube changer.) Excludes TUBE, TRACHEAL.

MANIPULATOR-INJECTOR, UTERINE	45844	AB
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A disposable, sterile item for introducing dye, contrast media, or gas into the uterine cavity, and other gynecological procedures.

PISTOL, INFLATION, MEDICAL	45899	KA
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A device designed to be used for controlled inflation of dilation balloons. Item is used with a standard disposable syringe (not included).

RESERVOIR, SUCTION	47026	LA
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An item designed to be used for multiple drainage procedures. It may include an anti-reflux valve and drainage port. It may also have an integral connector to adapt easily and firmly to the suction tubing of the drains. It is compatible with DRAIN, SURGICAL and DRAIN-RESERVOIR, SUCTION, SURGICAL. It may be capable of being re-sterilized by steam or gas. Excludes DRAIN, SURGICAL and DRAIN-RESERVOIR, SUCTION, SURGICAL.

SHEATH, RETRIEVAL, BALLOON CATHETER	47024	AA
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A sterile, disposable device designed to be used for removal of circumferentially ruptured angioplasty balloon catheters from the puncture site.

SHUNT, CAROTID BYPASS	53315	KD
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An item used as a temporary bypass during carotid endarterectomy surgical procedures.

SLEEVE-GUARD, SUCTION TIP, SURGICAL	46222	KD
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An item designed to be used with any standard plastic or steel suction handles.

SPLINT, URETER #	33901	AA
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STENT, URETERAL	50132	GA
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An item designed to be used for temporary internal drainage from the ureteropelvic junction to the bladder. It may have markings on the stent aid cystoscopic placement. Excludes CATHETER (1), URETERAL and CATHETER (1), URETHRAL.

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
TIP, ENEMA ADMINISTRATION	42720	KA
A flexible item designed to introduce solutions into the body for radiographic diagnostic procedures and rectal enemas. May include retention cuff and attached tube.		
TIP, EXTENSION HANDPIECE, IRRIGATION-ASPIRATION SYSTEM	50824	KD
An item designed to fit a manual system which will allow greater control in separate "two hand technique" while aspirating the cortex of the eye.		
TIP, GUIDE CATHETER, FEMORAL	50133	GA
An item designed for use in left and right coronary of the femur during angioplasty procedures.		
TIP, HANDPIECE, IRRIGATION- ASPIRATION SYSTEM	50741	KD
An item designed to be used in cortical extraction. May be used with left or right hand.		
TIP, IRRIGATION, SURGICAL	48278	KD
A one-piece construction with one or multiple orifices that can be a part of TIP SET, SUCTION AND IRRIGATION HANDPIECE, SURGICAL for irrigation purposes only. Excludes TIP, SUCTION, SURGICAL.		
TIP, SUCTION, SURGICAL	42248	KD
A one-piece construction, preconnected to a lumen to allow a smooth flow path to prevent clogging from clots, bone chips, cement and vomit suctioning during cardiovascular, chest abdominal, orthopedic, trauma surgery oral suctioning in emergency room, ambulance, or anesthesia and other types of surgical procedures. May be available with or without control vent for continuous or intermittent suctioning.		
TUBE AND ELBOW, TRACHEAL	36127	BA
An item consisting of a TUBE, TRACHEAL with a straight connector, and elbow designed for use with an anesthesia set to aspirate mucus from the trachea.		
TUBE AND SYRINGE, STOMACH	32431	FA
An item consisting of a tube with a detachable syringe used for aspirating and/or irrigating the stomach.		
TUBE, COLON, SURGICAL	13557	AA
A tubular item, without anchoring or positioning features, having a slightly expanded funnel end and an outlet end with open or closed tip and one or more side openings. The item has a smooth finish and is used for rectal enemas, rectal and colonic irrigations for both diagnosis and treatment.		

FIIG A221  
GENERAL INFORMATION  
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
TUBE, CONNECTING, CARDIOVASCULAR CATHETER	41740	AB
A tubular item having metal or plastic end connectors for connecting to a CATHETER, CARDIOVASCULAR.		
TUBE, CONNECTING, CONDOM CATHETER	46995	LA
An item designed to be used for connecting an external male catheter to a leg bag. It is compatible with URINAL, INCONTINENT; STRAPS, LEG BAG, URINARY; and LEG BAG, URINARY. It may have a plastic male connecting adapter on one end for use as connecting drainage tubing between an external male catheter and a leg bag.		
TUBE, CONNECTING, GENERAL PURPOSE	45542	AB
A conductive or nonconductive, clear or plastic item designed for all purposes suitable for use in respiratory, hospital patient care, surgical procedures, and the like. It may include a female or male luer lock adapters, molded or sure grip connectors at one end to assure uniform fit.		
TUBE, CONNECTING, URINARY DRAINAGE	58186	EA
A tube with a connector at one end to fit urethral retention catheters. The other end may or may not have a slip-on or screw-on type bottle connection. For use as a connecting tube between retention catheters and drainage receptacle.		
TUBE, DRAINAGE, OSTOMY BAG	45848	KA
A plastic, tubular item used for overnight or continuous drainage. It is designed to fit standard ostomy pouches. May include adapter at one end for collecting. Excludes TUBE, DRAINAGE, SURGICAL and TUBE, CONNECTING, URINARY DRAINAGE.		
TUBE, DRAINAGE, SURGICAL	13696	AA
A tubular item without an anchoring feature. It may have graduations or markings and is used for insertion into an incision or wound to permit drainage. For items inserted into incisions or wounds having anchoring or positioning features, see DRAIN, SURGICAL.		
TUBE, DUODENAL, SURGICAL	13558	DA
An elastic tube of small diameter approximately 4 feet to 10 feet (1200 millimeters to 3100 millimeters) long, with graduations. The inlet end may be funnel-shaped or designed to accommodate fittings. The outlet end may be closed (with side openings) or open to receive various perforated tips. It is used for gastric analysis, diagnosis, and treatment; removal of duodenal contents; and treatment and diagnosis of obstructive lesions of the small intestine.		

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GENERAL INFORMATION  
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
TUBE, EAR VENTILATION	41910	AB
An item designed to be inserted through a small incision into the ear drum to permit drainage of fluid caused by infection during otological procedures. It may be cut to length, depending on the size of the flange.		
TUBE, ENDOBRONCHIAL	33086	KA
An elastic monoluminal or biluminal tube with balloon(s) and corresponding pilot bags. The forward section has one or more openings and may accommodate a spurlike appendix. It is used for endobronchial intubation, collapse therapy, or for draining the tracheobronchial system during lung surgery.		
TUBE, ENDOSCOPIC	41364	GA
An item designed to allow the passage, through a scope, of all the accessories necessary to handle foreign bodies and perform gastroscopy with minimal trauma to the esophageal mucosa.		
TUBE, ENEMA ADMINISTRATION	48204	AA
A one-piece rubber construction, usually pear shaped and fluted, which is attached to the barium source. It is designed with a concealed airway that is contained within the catheter for assuring symmetrical balloon inflation for positive retention. May be able to withstand hard usage and repeated autoclaving. Excludes TIP, ENEMA ADMINISTRATION.		
TUBE, ENEMA, RADIOLOGICAL	50036	AA
A flexible item with inflatable bulb, silicone retention cuff and tube. It is designed for use in single contrast radiographic diagnostic procedures. Excludes TUBE, ENEMA ADMINISTRATION.		
TUBE, FEEDING, SURGICAL	37660	KB
An elastic, hollow cylinder item, having a relatively heavy wall. It may or may not have a funnel or luer syringe adapter at one end. It does not have a rubber bulb. For nasogastric or enteral feeding only. Not for parenteral use.		
TUBE, GAS SAMPLING, VENTILATOR	49898	KD
An accessory item for use with a volume ventilator circuit which consists of a gas sampling foot line with micron hydrophobic filter. It is designed to be used to monitor exhaled carbon dioxide and inspired oxygen.		
TUBE, GASTROINTESTINAL, SURGICAL	37918	DA
A double lumen tubular item consisting of an integral mercury tip, curved distal end, segmented columns of mercury, X-ray opaqueline along length of tube, distance markings along distal and smoothly cut eyes evenly spaced. It is used for gastric analysis diagnosis, and treatment; removal of duodenal contents; and treatment and diagnosis of obstructive lesions of the large and small intestine.		

FIIG A221  
GENERAL INFORMATION  
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
TUBE, GASTROSTOMY, SURGICAL	46068	GA
An item designed to allow the passage of air to circulate around the stoma area in order to improve wound healing and reduce site irritation. It may be used also to control gastric leakage and prevent tube migration. (Do not use for nasogastric or enteral feeding.) Excludes TUBE, GASTROINTESTINAL, SURGICAL; TUBE, FEEDING, SURGICAL; and TUBE, STOMACH, SURGICAL.		
TUBE, INTRAVENOUS	21406	AB
A flexible, homogenous, hollow, cylindrical item suitable for introduction into the vein. It is nontoxic and free from tissue reaction and capable of insertion into hypodermic needles of specific sizes.		
TUBE, IRRIGATOR, SURGICAL	13562	AA
A tubular item with an open tip and funnel end designed to be used with an irrigator or percolator for conveying cleansing solutions.		
TUBE, NASOGASTRIC SUMP	66910	CB
A soft rubber or plastic tube that is inserted through the nostril and into the stomach for the purpose of instilling liquid foods or other substances or for gastric decompression.		
TUBE, NASOPHARYNGEAL	33085	AA
An elastic tube with one end cut at an angle. The other end is enlarged in diameter and may provide a firmly vulcanized or adjustable locking flange. It may accommodate (below its enlarged diameter) an intake tube for aspiration, insufflation, or resuscitation.		
TUBE, NEPHROSTOMY	48618	KD
An item that consists of a through-and-through silicone tube for renal drainage and a dependent drainage tube for attachment to a urine collection device. It may also be used for patients with neurogenic bladders, stenosis or obstruction of ureteropelvic junction and hydronephrosis.		
TUBE, PRESSURE MONITORING	41909	AB
An item designed to be used for the measurement of direct left ventricular end-diastolic pressure, and for pulmonary artery/wedge pressures, obtained at the patient's bedside during post-operative care. A female to male or male to male luer lock connects to a manifold at one end and a catheter at the other end.		
TUBE, RECTAL, SURGICAL #	58135	AA
TUBE, STOMACH, SURGICAL	13561	CB
An elastic, hollow cylinder, approximately 60 inches long, having a relatively heavy and smoothly finished wall. The item has end and side openings at the outlet end and a funnel at the opposite end. The tube may have a rubber bulb attached at the medial section. The item is used for feeding and evacuating the contents of the stomach.		

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GENERAL INFORMATION  
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
TUBE, SUCTION AND IRRIGATOR, SURGICAL	53316	AA
An item used in the ear-nose-throat, plastic and reconstructive surgery and with neurosurgical instruments. Excludes CANNULA (1), EAR; TUBE, IRRIGATOR, SURGICAL; and TUBE, SUCTION, SURGICAL		
TUBE, SUCTION, SURGICAL	29647	BA
An item designed for suctioning of blood or other types of fluid during various surgical procedures.		
TUBE, SURGICAL WOUND EVACUTOR	30141	AA
A tubular item used with an EVACUATOR, SURGICAL WOUND that is designed to be left inside a surgical incision, after closure, to facilitate in suction removal of post-operative liquification.		
TUBE, TRACHEAL	36126	KA
A tubular item with an open bevel tip and inlet end that accommodates a fitting. It is designed for insertion into the trachea by way of the nasal or oral passages for conducting anesthesia gases directly from the apparatus to the lungs.		
TUBE, TRACHEAL, PROSTHETIC	47240	AA
A flexible, T-shaped, asymmetrical item with plug. It is designed for use in the management and support of acute tracheal trauma. The item can also be designed to maintain the patency of the tracheal airway by supporting a reconstructed stenotic trachea without inducing injury to the mucosal linings.		
TUBE, VASCULAR GRAFT	38448	AB
A hollow plastic, tubular item designed for use as an arterial or venous prosthesis in grafting procedures.		
VALVE, SUCTION, SURGICAL	46294	KD
A replacement item designed to regulate the flow of irrigant, for use with suction and irrigation system. May have a dual port which attaches onto a universal handle. Excludes SUCTION AND IRRIGATION ASSEMBLY, SURGICAL and VALVE, SURGICAL DRAIN.		

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GENERAL INFORMATION  
APPLICABILITY KEY INDEX

## APPLICABILITY KEY INDEX

	<u>AA</u>	<u>AB</u>	<u>BA</u>	<u>CA</u>	<u>CB</u>	<u>DA</u>	<u>EA</u>	<u>FA</u>	<u>GA</u>	<u>HA</u>
NAME	X	X	X	X	X	X	X	X	X	X
ANEH	X	X	X	X	X	X	X	X	X	X
STYL	X	X	X	X	X	X	X	X	X	X
ANHF	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ANHG	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ANHJ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ANHK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ANHM	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ANHN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ANHP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ANHQ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABHP	AR	AR	X							
AARX	AR	X							AR	
ABKV	AR	AR	X						AR	
AEDN									AR	AR
ANNQ	X	X	X	X	X	X	X	X	X	X
ANER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AAPC		AR						AR	AR	AR
ANES	AR					AR	AR		AR	
ANET							AR		AR	
ANEY		AR				AR	AR		AR	
ANFB									AR	
ANFC	AR		AR			AR	AR	AR	AR	
ANEP							AR		AR	
ANFG	X	X	X	X	X	X	X	X	X	X
ANFJ	AR	AR	AR			AR	AR	AR	AR	
ANFM					AR	X				
ANFR		AR	AR					AR		
ANFS	X	X	X	X	X	X	X	X	X	X
ANFY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AGUC	AR	AR	AR	AR	AR			AR	AR	AR
PKTY	AR	AR	AR		AR			AR	AR	AR
CBBL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJQ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJM	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJJ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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APPLICABILITY KEY INDEX

ANGP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ANGS	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADZC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AWJN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PRMT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PMWT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PMLC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PKQT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
EXQT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SUWT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ECWT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SUCB	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
EXME	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR



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APPLICABILITY KEY INDEX

	<u>HB</u>	<u>HL</u>	<u>KA</u>	<u>KB</u>	<u>KC</u>	<u>KD</u>	<u>LA</u>
NAME	X	X	X	X	X	X	X
ANEH	X	X	X	X	X	X	X
STYL	X	X	X	X	X	X	X
ANHF	AR	AR	AR	AR	AR		AR
ANHG	AR	AR	AR	AR	AR		AR
ANHJ	AR	AR	AR	AR	AR		AR
ANHK	AR	AR	AR	AR	AR		AR
ANHM	AR	AR	AR	AR	AR		AR
ANHN	AR	AR	AR	AR	AR		AR
ANHP	AR	AR	AR	AR	AR		AR
ANHQ	AR	AR	AR	AR	AR		AR
ABHP							AR
AGYS			AR				AR
BBYQ			AR				AR
BNJL			AR				AR
ABMK							AR
ANNQ	X	X	X	X	X	X	X
ANER	AR	AR	AR	AR			
AAPC	AR						
ANES		AR	AR				AR
ANEY		AR				AR	
ANFC		AR	AR				
ANEP			AR				
ANFG	X	X	X	X	X	X	X
ANFJ	AR		AR	AR			AR
ANFM			AR			AR	
ANFR							AR
ANFS	X	X	X	X		X	X
ANFY	AR	AR	AR	AR		AR	AR
AGUC			AR	AR		AR	AR
PKTY			AR	AR		AR	AR
CBBL	AR	AR	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR	AR
AFJQ	AR	AR	AR	AR	AR	AR	AR
AFJM	AR	AR	AR	AR	AR	AR	AR
AFJJ	AR	AR	AR	AR	AR	AR	AR
ANGP	AR	AR	AR	AR	AR	AR	AR
ANGS	AR	AR	AR	AR	AR	AR	AR
ADZC	AR	AR	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR	AR	AR
AWJN	AR	AR	AR	AR	AR	AR	AR
PRMT	AR	AR	AR	AR	AR	AR	AR

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APPLICABILITY KEY INDEX

PMWT	AR	AR	AR	AR	AR	AR	AR
PMLC	AR	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR	AR
PKQT	AR	AR	AR	AR	AR	AR	AR
EXQT	AR	AR	AR	AR	AR	AR	AR
SUWT	AR	AR	AR	AR	AR	AR	AR
ECWT	AR	AR	AR	AR	AR	AR	AR
SUCB	AR	AR	AR	AR	AR	AR	AR
EXME	AR	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR	AR

## SECTION I

APP Key	MRC	Mode Code	Requirements
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ALL

NAME	D	ITEM NAME
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Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

*Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED08475\*)*

ALL

ANEH	D	DESIGN DESIGNATION
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Definition: THE DESIGNATION DERIVED FROM THE NAME OF THE DESIGNER OR USE FOR WHICH THE ITEM IS INTENDED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., ANEHDAAB\*; ANEHDAAF\$\$DAAR\*; ANEHDAAB\$DEBQ\*)

ALL

STYL	L	STYLE DESIGNATOR
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Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable group designator and style number from [Appendix B](#), Reference Drawing Group A, B, C, D, E or F. (e.g., STYLLA1\*)

AA\*, AB\*, BA, LA\*

ABHP	J	OVERALL LENGTH
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Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA18.250\*; ABHPJLA463.6\*; ABHPJAB18.250\$\$JAC18.750\*)

Table 1

REPLY CODE

A

REPLY (AA05)

INCHES

FIIG A221  
SECTION I

APP

Key	MRC	Mode Code	Requirements
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	L		MILLIMETERS
		<u>Table 2</u>	
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

AA\*, AB, GA\*

AARX	J	INSIDE DIAMETER
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Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA0.250\*; AARXJLA6.4\*; AARXJAB0.245\$\$JAC0.250\*)

	<u>Table 1</u>	
	<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
	A	INCHES
	L	MILLIMETERS

	<u>Table 2</u>	
	<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
	A	NOMINAL
	B	MINIMUM
	C	MAXIMUM

AA\*, AB\*, BA, GA\*

ABKV	J	OUTSIDE DIAMETER
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Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA0.250\*; ABKVJLA6.6\*; ABKVJAB0.240\$\$JAC0.250\*)

FIIG A221  
SECTION I

APP  
Key      MRC                      Mode Code      Requirements

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

KA\*, LA\*

AGYS                      J                      TUBE INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TUBE, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AGYSJA0.250\*; AGYSJL3.0\*)

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

KA\*, LA\*

BBYQ                      J                      TUBE OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TUBE, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BBYQJAA1.000\*; BBYQJLA25.0\*; BBYQJAB1.250\$\$JAC1.750\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

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SECTION I

APP  
Key      MRC                      Mode Code      Requirements

Table 2

REPLY CODE

REPLY (AC20)

A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA\*, HA\*

AEDN                      J                      TIP LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TIP, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEDNJAA1.250\*; AEDNJLA25.4\*; AEDNJAB0.900\$\$JAC1.050\*)

Table 1

REPLY CODE

REPLY (AA05)

A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE

REPLY (AC20)

A	NOMINAL
B	MINIMUM
C	MAXIMUM

KA\*, LA\*

BNJL                      J                      TUBE OVERALL LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TUBE, IN DISTINTION FROM THE WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNJLJAA8.000\*; BNJLJLA25.4\*, BNJLJAB7.000\$\$JAC9.000\*)

Table 1

REPLY CODE

REPLY (AA05)

C	CENTIMETERS
A	INCHES
L	MILLIMETERS

FIIG A221  
SECTION I

APP			
Key	MRC	Mode Code	Requirements

---

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

LA\*

ABMK            J            OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500\*; ABMKJLA25.0\*; ABMKJAB2.000\$JAC3.000\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ANNQ            H            MATERIAL AND LOCATION

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from [Appendix A](#), Tables 2 and 3. (e.g., ANNQHRC0000AAB\*; ANNQHBR0378AGM\$\$HPC0000AGM\*; ANNQHBR0378AAB\$HBR0380AAB\*)

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SECTION I

APP  
Key MRC Mode Code Requirements

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*When multiple or optional materials are specified for more than one location, use AND/OR coding (\$\$\$) entering in Appendix A, Table 2 sequence.(e.g., ANNQHBR0378ABQ\$HBR0380ABQ\$B\$HBR0378AGM\$HPC0000AGM\*)*

NOTE FOR MRC ANER: DO NOT INCLUDE WING OPENINGS IN ITEMS WITH MALECOT HEADS. SEE MRC ANEP.

AA\*, AB\*, BA\*, CA\*, CB\*, DA\*, EA\*, FA\*, GA\*, HA\*, HB\*, HL\*, KA\*, KB\* (See Note Above)

ANER A SHAFT EYE QUANTITY

Definition: THE NUMBER OF OPENINGS ALONG THE SIDE OF THE SHAFT DESIGNED FOR DRAINAGE, IRRIGATION, OR INOCULATION.

Reply Instructions: Enter the quantity. (e.g., ANERA2\*)

AB\*, FA\*, GA\*, HA\*, HB\*

AAPC D IDENTIFICATION CODE COLOR

Definition: THE APPLICATION OF COLOR OR A SERIES OF COLORS FOR THE EXPRESSED PURPOSE OF IDENTIFYING THE SPECIFIC FUNCTIONAL DESIGN AND/OR THE SYSTEM APPLICATION OF AN ITEM.

Reply Instructions: For a single contrasting color marking applied to the basic body color, enter the applicable Reply Code from the table below. (e.g., AAPCDBU0000\*; AAPCDBR0000\$DGR0000\*)

<u>REPLY CODE</u>	<u>REPLY (AD06)</u>
AM0000	AMBER
BL0000	BLACK
BU0000	BLUE
BR0000	BROWN
GR0000	GREEN
LD0008	OLIVE
RG0000	ORANGE
PK0000	PINK
PU0000	PURPLE
RE0000	RED
SL0000	SILVER
YE0000	YELLOW



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APP Key	MRC	Mode Code	Requirements
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AA\*, DA\*, EA\*, GA\*, HL\*, KA\*, LA\*

ANES	J	BALLOON CAPACITY
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Definition: THE RATED AIR/FLUID VOLUME OF THE BALLOON.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANESJAC35.0\*; ANESJAE1.000\*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
AC	CUBIC CENTIMETERS
AE	FLUID OUNCES
AM	MILLILITERS

EA\*, GA\*

ANET	A	PROXIMAL END FUNNEL QUANTITY
------	---	------------------------------

Definition: THE NUMBER OF PROXIMAL END FUNNELS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ANETA2\*)

NOTE FOR MRC ANEY: FOR ITEMS HAVING ONLY A SINGLE TUBULAR OPENING, DO NOT REPLY TO MRC ANEY.

AB\*, DA\*, EA\*, GA\*, HL\*, KD\* (See Note Above)

ANEY	A	LUMEN PASSAGE QUANTITY
------	---	------------------------

Definition: THE NUMBER OF LUMEN PASSAGES IN THE BASIC ITEM.

Reply Instructions: Enter the quantity. (e.g., ANEYA2\*)

GA\*

ANFB	D	FILIFORM THREAD TYPE
------	---	----------------------

Definition: THE DESIGNATION PECULIAR TO CATHETERS USED BY THE MANUFACTURERS OF MEDICAL INSTRUMENTS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANFBDAB\*)

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		<u>REPLY CODE</u>	<u>REPLY (AG34)</u>
		AB	A (1.5 X .26MM 96TPI)
		AC	B (US Standard 1-56TPI)

AA\*, BA\*, DA\*, EA\*, FA\*, GA\*, HL\*, KA\*

ANFC D INFLATION DEVICE

Definition: THE DEVICE USED TO PERMIT INJECTION OF AIR OR FLUID INTO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANFCDK\*; ANFCDK\$DL\*; ANFCDK\$\$DL\*)

<u>REPLY CODE</u>	<u>REPLY (AE34)</u>
S	PILOT BALLOON
AE	SELF-RETAINING
K	SELF-SEALING PLUG
AD	SELF-SEALING VALVE
J	VALVE
L	VALVE PLUG

EA\*, GA\*, KA\*

ANEP A FLANGED WING QUANTITY

Definition: THE NUMBER OF FLANGED WINGS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ANEPA4\*)

ALL

ANFG D TIP TYPE

Definition: INDICATES THE TYPE OF TIP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., ANFGDAAK\*; ANFGDAAH\$\$DAAK\*; ANFGDAAD\$DAAJ\*)

AA\*, AB\*, BA\*, DA\*, EA\*, FA\*, GA\*, HB\*, KA\*, KB\*, LA\* (See Note Above)

ANFJ D CONNECTOR TYPE

Definition: INDICATES THE TYPE OF CONNECTOR PROVIDED.

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Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6. (e.g., ANFJDAAC\*; ANFJDAAC\$DAAD\*)

CB\*, DA, KA\*, KD\*

ANFM D STOMACH TUBE BULB TYPE

Definition: INDICATES THE TYPE OF BULB USED AS AN AID TO PREVENT CLOGGING OF THE STOMACH TUBE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANFMDAC\*; ANFMDAB\$DAC\*)

REPLY CODE

AB

AC

REPLY (AJ58)

MERCURY WEIGHTED

SUCTION

AB\*, BA\*, FA\*, LA\*

ANFR J SYRINGE CAPACITY

Definition: THE RATED VOLUME OF THE SYRINGE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANFRJAC30.0\*; ANFRJAE1.000\*)

REPLY CODE

AC

AE

AM

REPLY (AG67)

CUBIC CENTIMETERS

FLUID OUNCES

MILLILITERS

AA, AB, BA, CA, CB, DA, EA, FA, GA, HA, HB, HL, KA, KB, KD, LA

ANFS D CORE FABRICATION METHOD

Definition: THE MEANS USED TO FABRICATE THE CORE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANFSDDY\*)

REPLY CODE

DY

AW

REPLY (AA62)

NOT WOVEN

WOVEN

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AA\*, AB\*, BA\*, CA\*, CB\*, DA\*, EA\*, FA\*, GA\*, HA\*, HB\*, HL\*, KA\*, KB\*, KD\*, LA\*

ANFY D PATIENT SIZE DESIGNATION

Definition: THE NONNUMERIC DESIGNATION STANDARDIZED ON AGE, SEX, AND SIZE AS RELATING TO BODY PROPORTIONMENTS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANFYDAB\*; ANFYDAB\$\$DAD\*)

<u>REPLY CODE</u>	<u>REPLY (AJ60)</u>
AB	ADULT
AC	CHILD (PEDIATRIC)
AD	FEMALE
AX	GERIATRIC-SMALL
AE	INFANT
AV	JUNIOR TO SMALL
AS	LARGE
AT	LARGE TO MEDIUM
AF	MALE
AR	MEDIUM
AU	MEDIUM TO SMALL
AN	NEWBORN
AK	PREMATURE INFANT
AQ	SMALL
AL	SMALL ADULT
AM	UNIVERSAL
AW	X-LARGE

AA\*, AB\*, BA\*, CA\*, CB\*, FA\*, GA\*, HA\*, KA\*, KB\*, KD\*, LA\*

AGUC A UNIT PACKAGE QUANTITY

Definition: THE NUMBER OF ITEMS CONTAINED IN THE UNIT PACKAGE.

Reply Instructions: Enter the quantity. (e.g., AGUCA4\*; AGUCA1\$\$A1\*)

ALL\*

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

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Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDCRW\*; CBBLDCRW\$\$DCZW\*)

<u>REPLY CODE</u>	<u>REPLY (AN47)</u>
EBX	ADHESIVE COATING
EJR	BUILT-IN STANDARD 15MM CONNECTOR
EJS	CAP FLOW CONTROL DEVICE
EJT	CLAMP FLOW CONTROL DEVICE
CRW	CLEAR
BUV	CONDUCTIVE
EJU	DEPTH GRADUATION MARKINGS
AQE	DISPOSABLE
CZW	FLEXIBLE
BVL	NONCONDUCTIVE
AQP	NONSTERILE
EHU	OBTURATOR
EJV	PLUG FLOW CONTROL DEVICE
BZU	PRESSURE SENSITIVE ADHESIVE TAPE
EYD	PULL TIE
AQS	REUSABLE
FCE	SELF-ADHESIVE
AFM	STERILE
EJB	STYLET
EJW	TROCAR
EJX	X-RAY OPACITY

ALL\*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP\*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE\*)

ALL\*

TEST J TEST DATA DOCUMENT

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Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321\*;

TESTJA1234A-654321\$\$JB5556A-663654\*;

TESTJAA2345-654321\$JB55566-663654\*)

<u>REPLY CODE</u>	<u>REPLY (AC28)</u>
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL\*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

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Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS\*)

ALL\*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B\*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/\*;

ZZZKJP80205-NAS1103\*;

ZZZKJS81349-MIL-C-1140C/CE/\*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103\*)

<u>REPLY CODE</u>	<u>REPLY (AN62)</u>
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

APP Key	MRC	Mode Code	Requirements
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NOTE FOR MRC ZZZT: IF THE SPECIFICATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL\* (See Note Above)

ZZZT	J	NONDEFINITIVE SPEC/STD DATA
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Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1\*; ZZZTJTY1\$JSTA\*; ZZZTJTY1\$JSTA\*)

ALL\*

ZZZW	G	DEPARTURE FROM CITED DOCUMENT
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Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL\*)

ALL\*

ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
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Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL\*)

ALL\*



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APP Key	MRC	Mode Code	Requirements
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
<p>Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)</p>			
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
<p>Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.</p> <p>Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL\$\$ASURF*)</p> <p>Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.</p>			
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			
	PRPY	A	PROPRIETARY CHARACTERISTICS
<p>Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.</p>			

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Key	MRC	Mode Code	Requirements

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Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS\*; PRPYANPAC\*; PRPYAMATL\$\$ASURF\*)

ALL\*

ELRN	G	EXTRA LONG REFERENCE NUMBER
------	---	-----------------------------

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365\*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL\*

ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION
------	---	---------------------------------------

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA\*)

<u>REPLY</u>	<u>REPLY (AN58)</u>
<u>CODE</u>	
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

## SECTION III

APP Key	MRC	Mode Code	Requirements
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ALL

AFJQ	J	STORAGE TEMP RANGE
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Definition: THE MINIMUM AND MAXIMUM TEMPERATURES AT WHICH AN ITEM CAN BE STORED WITHOUT DETRIMENTAL EFFECT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede minus values with an M and plus values with a P. (e.g., AFJQJCM40.0/P72.0\*)

<u>REPLY CODE</u>	<u>REPLY (AB36)</u>
C	DEG CELSIUS (Centigrade)
F	DEG FAHRENHEIT

ALL

AFJM	D	INSPECTION FREQUENCY
------	---	----------------------

Definition: THE SPECIFIED TIME INTERVAL NECESSARY TO DETECT MATERIAL DETERIORATION THAT WILL AFFECT STOCK READINESS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJMDAJ\*)

<u>REPLY CODE</u>	<u>REPLY (AD38)</u>
AQ	EIGHTEEN MONTHS AFTER MANUFACTURE AND EVERY TWELVE MONTHS THEREAFTER
AJ	SIX MONTHS AFTER RECEIPT AND EVERY SIX MONTHS THEREAFTER
AP	TWELVE MONTHS AFTER MANUFACTURE AND EVERY TWELVE MONTHS THEREAFTER

ALL

AFJJ	D	STORAGE TYPE
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Definition: INDICATES THE TYPE OF STORAGE SPACE REQUIRED FOR AN ITEM IN ORDER TO PROVIDE THE DEGREE OF PROTECTION NECESSARY TO MAINTAIN SERVICEABILITY STANDARDS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJJDC\*)

<u>REPLY CODE</u>	<u>REPLY (AD41)</u>
C	CONTROLLED HUMIDITY WAREHOUSE
D	DEHUMIDIFIED WAREHOUSE
E	GENERAL PURPOSE WAREHOUSE
G	HEATED WAREHOUSE

ALL

ANGP D SPECIAL GRADUATIONS

Definition: THE SPECIAL SCALE OR INCREMENT MARKINGS INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANGPDCA\*; ANGPDCB\$\$DCD\*)

<u>REPLY CODE</u>	<u>REPLY (AB44)</u>
CA	MARKED AT 1,5,25 CM
TC	MARKED AT 5 IN.
CC	MARKED AT 10,20,30 IN.
CB	MARKED AT 16,27,31 IN.
TB	MARKED AT 18,22,26,30 IN.
CD	MARKED AT 20 IN.

ALL

ANGS D CONDUCTIVITY

Definition: AN INDICATION OF THE ABILITY TO CONDUCT ELECTRICITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANGSDP\*)

<u>REPLY CODE</u>	<u>REPLY (AJ63)</u>
P	CONDUCTIVE
M	NONCONDUCTIVE

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Key	MRC	Mode Code	Requirements

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ALL

ADZC                      D                      ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from the table below. For multiple replies, use AND coding (\$\$) entering in reply table sequence. (e.g., ADZCDDU\*; ADZCDAB\$\$DDU\*)

<u>REPLY CODE</u>	<u>REPLY (AA65)</u>
AB	ACID RESISTANT
DU	COLD RESISTANT
FL	LUBRICANT
ES	OXIDATION RESISTANT
GA	RADIATION
BM	STEAM
GB	SUNLIGHT AGING
DP	WATER

ALL

AFJK                      J                      CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB6.000\*; AFJKJC9.000\*)

<u>REPLY CODE</u>	<u>REPLY (AD42)</u>
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

PRMT                      D                      PRECIOUS MATERIAL

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Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000\*; PRMTDAUA000\$\$DAGA000\*; PRMTDAGA000\$DAUA000\*)

<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., PMWTJPTA000R0.780\*; PMWTJAUA000F0.500\$JAGA000R0.780\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AG14)</u>
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

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APP Key	MRC	Mode Code	Requirements
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ALL

PMLC	J	PRECIOUS MATERIAL AND LOCATION
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Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJUAUA000TERMINALS\*;  
PMLCJUAUA000TERMINALS\$\$JAGA000INTERNAL SURFACES\*;  
PMLCJAGA000INTERNAL SURFACES\$JUAUA000TERMINALS\*)

REPLY CODE

AUA000  
IRA000  
AZA000  
PDA000  
PTA000  
RHA000  
RTA000  
AGA000

REPLY (MA01)

GOLD  
IRIDIUM  
OSMIUM  
PALLADIUM  
PLATINUM  
RHODIUM  
RUTHENIUM  
SILVER

ALL

AGAV	G	END ITEM IDENTIFICATION
------	---	-------------------------

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000\*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A\*)

ALL

SUPP	G	SUPPLEMENTARY FEATURES
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Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

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APP Key	MRC	Mode Code	Requirements
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Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT\*)

ALL

ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
------	---	-------------------------------------

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81A37-30624A\*)

ALL

ZZZV	G	FSC APPLICATION DATA
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Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT\*)

ALL \*

CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
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Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD\*)



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Table 1 - DESIGN DESIGNATIONS  
DESIGN DESIGNATIONS

<u>REPLY CODE</u>	<u>REPLY (AJ50)</u>
AAB	ABBOTT-RAWSON
AAC	ABDOMINAL
GHC	ABRAMSON-TRIPLE LUMEN SUMP DRAIN
GNP	AIRLIFE
AAD	ALCOCK
GGV	AMPLATZ
ECF	ANDERSON
GVQ	ANGIOCATH
GVR	ANGIOPLASTY
AAE	ANGLE
AJW	AORTIC
AJY	AORTOGRAM
ECG	ARGYLE
HFL	ARMSTRONG
GVS	ARTERIAL AND VENOUS PROSTHESIS
EBL	ASPIRATING
BWH	BAKER
GVT	BALLOON WEDGE PRESSURE
AAF	BARDAM-TIEMANN
GJA	BARON
HAG	BERENSTEIN
HCN	BIONIT II
AAG	BLASUCCI
AAH	BRAASCH
GHD	BRACHIAL ARTERY
GHE	BRACHIAL CORONARY
AAJ	BREWER
HAH	BROCKENBROUGH
GVU	BROCKENBROUGH-TRANSSEPTAL
EBM	BRONCHI MUCUS

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AJ50)</u>
HEH	BRONCHO-CATH
AAK	CANTOR
GNE	CARLENS
AAL	CARSON
AAM	CATTELL
GVV	CHOLANGIOGRAPHY
GVW	COBRA
AAN	COLON IRRIGATION
AJJ	CONTINUOUS IRRIGATION HEMOSTATIC
GVX	COOK UROLOGICAL
BZM	COOLEY
AAR	COUDE
BZR	COUNCIL
AAS	CUMMINGS
HBM	DAVOL CATTELL "T"
AAW	DE LEE
AAT	DEAVER
HAJ	DEKNATEL
HAK	DELMED
AJZ	DENNIS
AKD	DIGI-TROL SUCTION
CYX	DONALDSON
HAL	DOTTER
AAX	DOURMASKIN
HAZ	DOWD
GJB	DUCOR ANGIOGRAPHY
GNF	EDSLAB
ECH	EMMETT
AAV	EMPYEMA
GNQ	ENDOBONCHIAL
GVY	ENDOTROL
ABA	EUSTACHIAN
GHF	FEMORAL APPROACH
AKE	FEMORAL-CEREBRAL
GVZ	FEMORAL-LEFT CORONARY-A
GWZ	FEMORAL-VENTRICULAR
ALK	FEMORAL-VISCERAL
GFH	FOGARTY
ABB	FOLEY
CCN	FRAZIER
ABC	FREYER
ABD	GARCEAU
ALQ	GASTRIC LAVAGE
ECJ	GASTRIC SUMP
ABE	GILBERT
GHG	GOODALE-LUBIN
HAD	GOTTSCHALK
ALW	GROLLMAN

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<u>REPLY CODE</u>	<u>REPLY (AJ50)</u>
GFJ	GRUNTZIG
CEK	HARRIS
ABF	HARTMANN
ALZ	HEADHUNTER
GNR	HILAL
GNS	HILAL MODIFIED HEADHUNTER
GNT	HOUSEPIAN
ABH	HURWITZ
ABG	HYAMS
GFK	HYSTERECTOMY
ABJ	INTRAVENOUS
HAM	INTUBATION
FGQ	IRRIGATION
HNZ	JACKSON-PRATT
EQU	JAVID
GJD	JELCO
BSP	JOHNSON
AMA	JUDKINS
AMB	JUDKINS FEMORAL
ECK	KASLOW
GWB	KMVAC-SUCTION
ECL	LAHEY T DRAIN
CVS	LARYNX
CVT	LASER-FLEX
ABK	LE FORT
GHH	LEFT ANTERIOR
GHJ	LEFT CORONARY
GNG	LEFT ENDOBRONCHIAL TUBE
GJE	LEFT MAINSTEM BRONCHUS
AMJ	LEFT VENTRICLE
ECM	LEONARD
ABL	LESSER
ACQ	LEVIN
CVU	LGT LARYNGECTOMY
ABM	LOCALIO
AMR	LONGDWEL
ABN	MAGILL
ABP	MALECOT
GNU	MANI
ABQ	McIVER
HAY	MENTOR-SELFCATH
GWC	MENTOR-URO-SAN
ABR	MERCIER
GNV	MIKAELSSON
GWD	MILL-ROSE
ABS	MILLER-ABBOTT
EBN	MORRIS
GJF	MULTIPURPOSE

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AJ50)</u>
ABT	MURPHY
ABW	NASAL
AMX	NASHVILLE FISTULA CATHETER
AMY	NASOGASTRIC DRAINAGE
ECN	NASOGASTRIC SUCTION
GGP	NATIONAL INSTITUTE OF HEALTH
ABX	NELATON
HBA	OLBERT
EPC	OPHTHALMIC
EBP	ORAL
GJG	OTOLOGY
ECP	OWENS
GWE	PACKING
HFM	PAPARELLA
ABY	PENROSE
ABZ	PERITONEAL
ACA	PEZZER
ACB	PHILIPS
GWF	POLLACK
CMB	POOLE
ECQ	PORTEX EPIDURAL
EBQ	POST OPERATIVE SUMP DRAIN
HAX	PROFILE PLUS
GJH	RAE
DVP	RAMP
ACC	REHFUSS
HAN	RENAL-FASCIAL DILATION
HFN	REUTER
GHK	RIGHT CORONARY
GJJ	RIGHT MAINSTEM BRONCHUS
ACE	ROB-NEL
ACD	ROBINSON
GJK	ROSEN
AMZ	SALEM
ECR	SARATOGA SUMP DRAIN
HAP	SCHOONMAKER TECHNIQUE
HFP	SHAH
HFQ	SHEEHY
HFR	SHEPARD
ECS	SHERIDAN-SALEM SUMP DRAIN
ECT	SHIRLEY
GWG	SIMMONS
EBR	SOANES
HAQ	SORENSEN
ACF	STOMACH
ECW	SUCTION
HAR	SYNDER HEMOVAC
HFS	T-TUBE

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AJ50)</u>
GWH	THERMODILUTION
ACG	THORACIC
CYC	TIEMAN
ANC	TIEMANN
GWJ	TORCON
GBP	TRACHEAL
ACH	TUOHY
HFT	UMBRELLA
ANE	URINARY DRAINAGE
ACJ	VALENTINE
HBR	VAN ANDEL
ACK	VAN BUREN
AMQ	VENA CAVA
ACL	VIRDEN
GWK	VISCERAL
ACM	WANGENSTEEN
ACN	WEBER
CSW	WHEELER
ESV	WILLIAM HOUSE
ACP	WISHARD
ECX	WOLF
GNW	WOUND DRAINAGE
DBJ	YANKAUER

Table 2 - MATERIALS  
MATERIALS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ALC000	ALUMINUM
BR0000	BRASS
BR0378	BRASS, GG-I-526, CLASS 8, ALLOY 260
BR0379	BRASS, GG-I-526, CLASS 8, ALLOY 270
BR0380	BRASS, GG-I-526, CLASS 8, ALLOY 360
CH0000	CHROME
DFDB00	DACRON, WOVEN
FAAAH0	FABRIC, WOVEN
GS0000	GLASS
ME0000	METAL
MEC000	METAL, CORROSION RESISTING
NSA000	NICKEL SILVER ALLOY
NY0000	NYLON
PC0000	PLASTIC
PCBH00	PLASTIC COATED
PCFFK0	PLASTIC, COPOLYMER
PCGX00	PLASTIC, FLUORINATED ETHYLENE
PCCR00	PLASTIC, POLYETHYLENE

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
PCAC00	PLASTIC, POLYETHYLENE TEREPHTHALATE
PCAF00	PLASTIC, POLYPROPYLENE
PC0456	PLASTIC, POLYTETRAFLUOROETHYLENE, AMS 3655
PCAH00	PLASTIC, POLYTETRAFLUOROETHYLENE (TEFLON)
PC0623	PLASTIC, POLYTETRAFLUOROETHYLENE, TF-7, E I DUPONT DE NEMOURS AND CO INC
PCAJ00	PLASTIC, POLYURETHANE
PCAA00	PLASTIC, POLYURETHANE FOAM
PCCCW0	PLASTIC, POLYVINYL
PCAM00	PLASTIC, POLYVINYL ACETATE
PCAK00	PLASTIC, POLYVINYL CHLORIDE
PCGY00	PLASTIC, PROPYLENE
PCCCA0	PLASTIC, THERMOPLASTIC
PCAAAX	PLASTIC, VINYL
PT0000	PLATINUM
PL0000	POLYAMIDE NYLON
RC0000	RUBBER
RCN000	RUBBER, LATEX
RCB000	RUBBER, NATURAL
RCAAAA	RUBBER, NEOPRENE LATEX
RC0203	RUBBER, SILICONE, ASTM D735-52
RCC000	RUBBER, SYNTHETIC
SLA000	SILICONE
SL0000	SILICONE RUBBER
AG0000	SILVER
STB000	STEEL, CORROSION RESISTING
ST3102	STEEL, GG-I-526, CLASS 3, TYPE 304
STD000	STEEL, STAINLESS
YA0000	YARN

Table 3 - LOCATIONS  
LOCATIONS

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
CDN	ADAPTER
AGD	BALLOON
ABQ	BODY
CDZ	BULB
AGE	CAP
DLF	CATHETER
AGF	CONNECTOR
AGW	COVER
CEG	CUFF
DWA	EXTENSION TUBE
DWB	EYE
CEP	FITTING

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
AGG	FUNNEL
AAF	HUB
EAU	INNER LAYER
AGH	NEEDLE
AGJ	NEEDLE GUARD
CEX	OBTURATOR
EAV	OUTER LAYER
AAB	OVERALL
AGK	PLUG
BJR	SHAFT
AGN	SLEEVE
EBB	STENT
EDG	STOPCOCK
CFM	STYLET
DLG	SYRINGE
AGL	THUMB REST
ADT	TIP
AHD	TUBE
AGM	VALVE
EBX	WIRE GUIDE

Table 4 - TYPE OF TIPS  
TYPE OF TIPS

<u>REPLY CODE</u>	<u>REPLY (AJ55)</u>
AGK	ABRUPT ANGLE CURVE
AGE	ANGULAR
AGV	ATRAUMATIC
AFJ	BALLOON
AER	BEVELED
ACR	BLUNT
AAB	BUCKET
ACM	BULBOUS
AAC	CLOSED
AHY	COBRA
AES	CONE
AAD	COUDE
AFK	CURVED
AGF	DOUBLE LUER LOCK HUB
AGL	EXTRA SHORT
AAE	FILIFORM (FLEXIBLE STRAIGHT)
AET	FINE TAPER
AEK	FLEXIBLE
AEW	FORKED
AEX	HOLLOW REINFORCED
AEY	HOLLOW ROUND
AHC	MOLDED



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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AJ55)</u>
AGM	MOLDED ATRAUMATIC
AEZ	MOLDED MICROTAPER
AFL	MULTIPLE CURVED
AAG	MUSHROOM
AGS	NON-TAPERED
AAH	OBLIQUE
AAJ	OLIVARY
AAK	OPEN END (PLAIN)
AFA	OPEN HEAD
ABL	PERFORATED
AFB	PERFORATED METAL
AFM	PIGTAIL
AGJ	PIGTAIL, DOUBLE
AAL	POINTED
AEJ	REINFORCED
AAP	ROUND
AGN	SHORT
AGP	SLIGHT CURVED
AGQ	SMOOTH
AFN	SOLID ROUND
AAF	SPIRAL FILIFORM
ABC	STRAIGHT
AEA	TAPERED
AAM	TEE
AAN	THREADED
AGD	WEDGE
AFC	WEIGHTED
AAQ	WHISTLE
AFD	3-POSITION

Table 5 - NONDEFINITIVE SPEC/STD DATA  
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
<i>GP</i>	<i>GROUP</i>
<i>BA</i>	<i>IMAGE COLOR</i>
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
<i>MK</i>	<i>MARK</i>
<i>AA</i>	<i>MARKER</i>
<i>ML</i>	<i>MATERIAL</i>
<i>BB</i>	<i>MAXIMUM DENSITY</i>
MH	MESH
<i>ME</i>	<i>METHOD</i>
<i>BC</i>	<i>MINIMUM DENSITY</i>
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 6 - CONNECTOR TYPES  
CONNECTOR TYPES

<u>REPLY CODE</u>	<u>REPLY (AJ57)</u>
AKP	BEVELED INTEGRAL CONNECTOR
AKR	EPOXY SEALED HUB
AKQ	FEMALE LUER-HUB
AJS	FEMALE LUER LOCK
ANV	FEMALE LUER SLIP
ANT	FEMALE TO MALE LUER LOCK
AAB	FINGER VALVE
AKS	FLEXIBLE
AKT	LUER END
AAC	LUER LOCK HUB
AJY	LUER SLIP HUB
AKA	MALE LUER LOCK

FIG A221  
APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AJ57)</u>
AAU	MALE TO MALE CONNECTOR
ANU	MALE TO MALE LUER LOCK
AAD	SLIP HUB
AKW	TAPERED
AKX	TAPERED FORCE-FIT
AFC	UNIVERSAL
AAE	Y-CONNECTOR

## Reference Drawing Groups

REFERENCE DRAWING GROUPS A THROUGH E Tables .....	59
REFERENCE DRAWING GROUP A .....	60
REFERENCE DRAWING GROUP B .....	64
REFERENCE DRAWING GROUP C .....	69
REFERENCE DRAWING GROUP D .....	75
REFERENCE DRAWING GROUP E .....	88
REFERENCE DRAWING GROUP F .....	99

REFERENCE DRAWING GROUPS A THROUGH E Tables  
URETERAL CATHETERS; SURGICAL DRAINS; CATHETERS, SPECIAL PURPOSE;  
SPECIAL SURGICAL TUBES; DILATION AND OCCLUSION BALLOONS

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANHFJF10.000\*; ANHFJA0.500\*; ANH MJL1.0\*; ANHFJF10.000\$JF12.000\*)

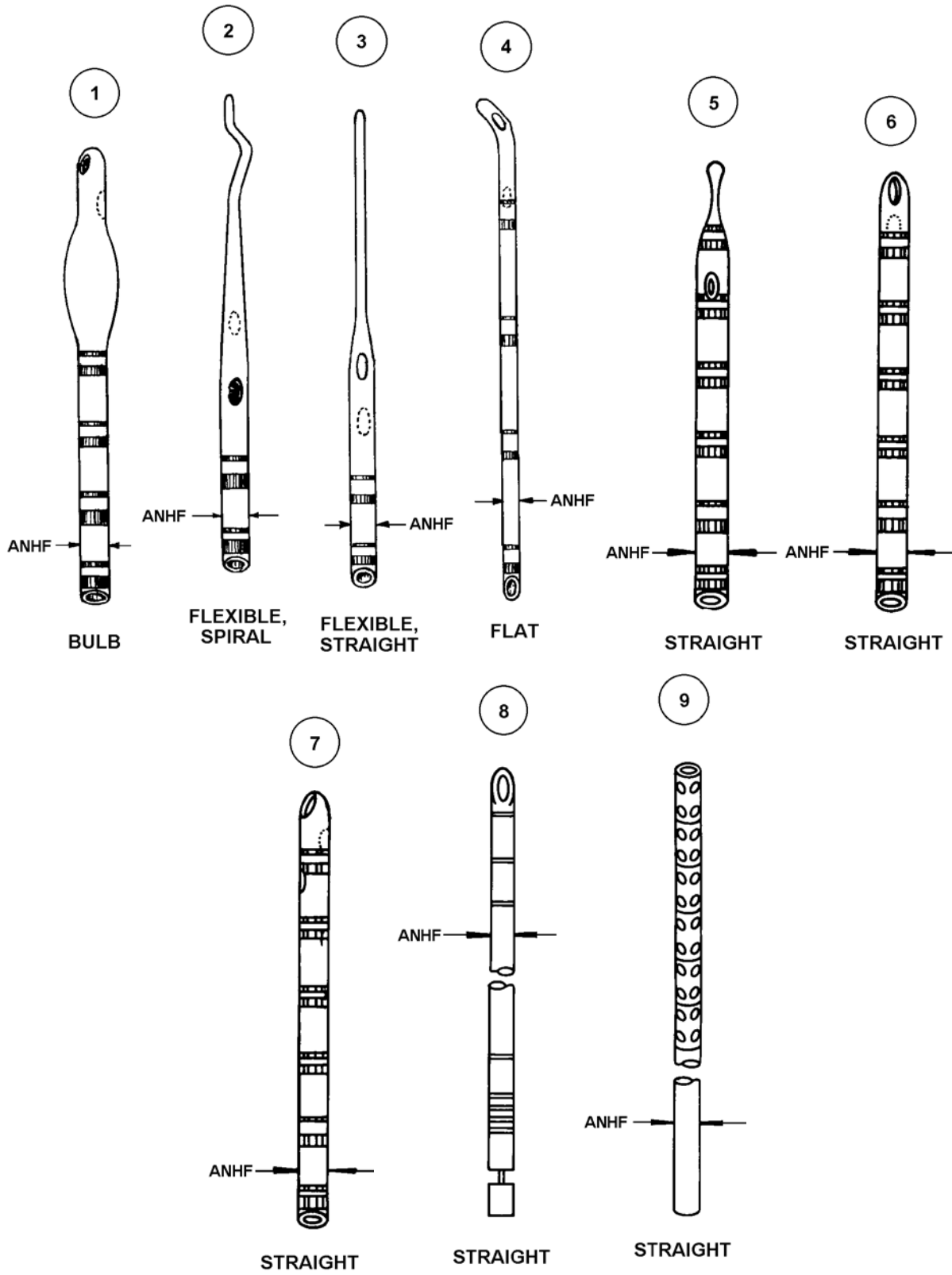
<u>REPLY CODE</u>	<u>REPLY (AF98)</u>
C	CENTIMETERS
F	FRENCH
G	GAGE
A	INCHES
L	MILLIMETERS

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ANHF	J	NOMINAL DIAMETER
ANHG	J	HEAD NOMINAL SIZE
ANHJ	J	HORIZONTAL BAR NOMINAL LENGTH
ANHK	J	VERTICAL BAR NOMINAL LENGTH
ANHM	J	NEEDLE NOMINAL DIAMETER
ANHN	J	NEEDLE GUARD NOMINAL LENGTH
ANHP	J	NEEDLE NOMINAL LENGTH
ANHQ	J	CATHETER NOMINAL LENGTH

REFERENCE DRAWING GROUP A

URETERAL CATHETERS

FIG A221  
APPENDIX B



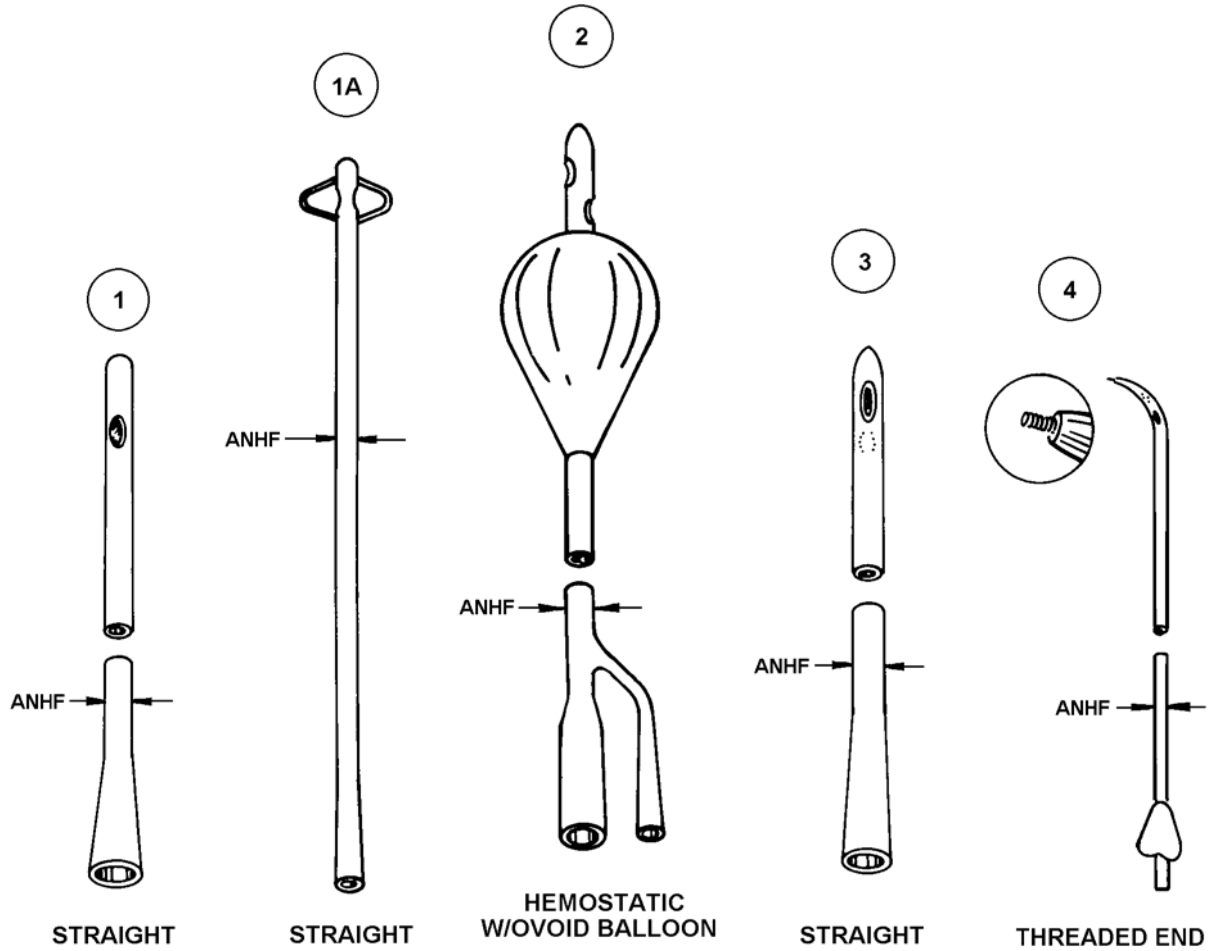


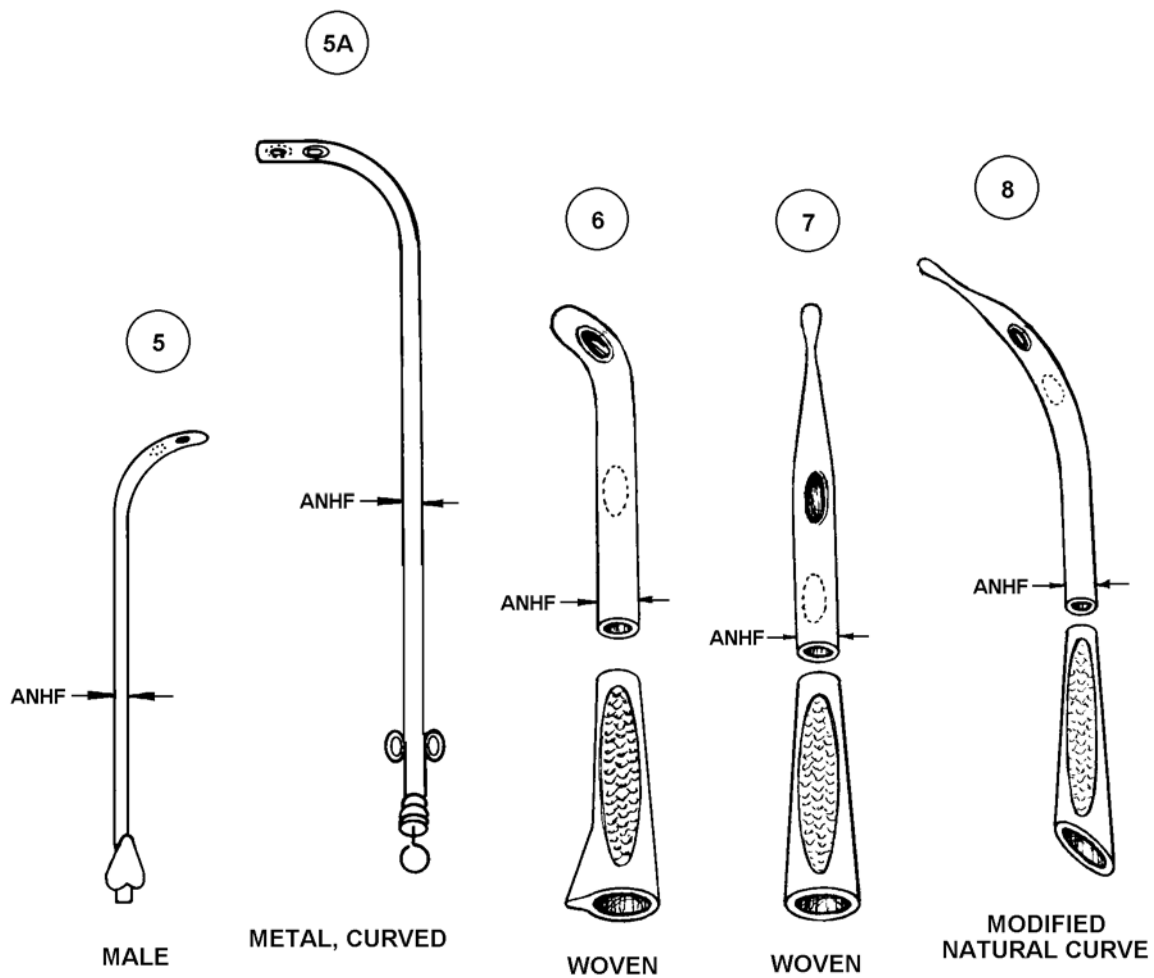




REFERENCE DRAWING GROUP B

URETHRAL CATHETERS





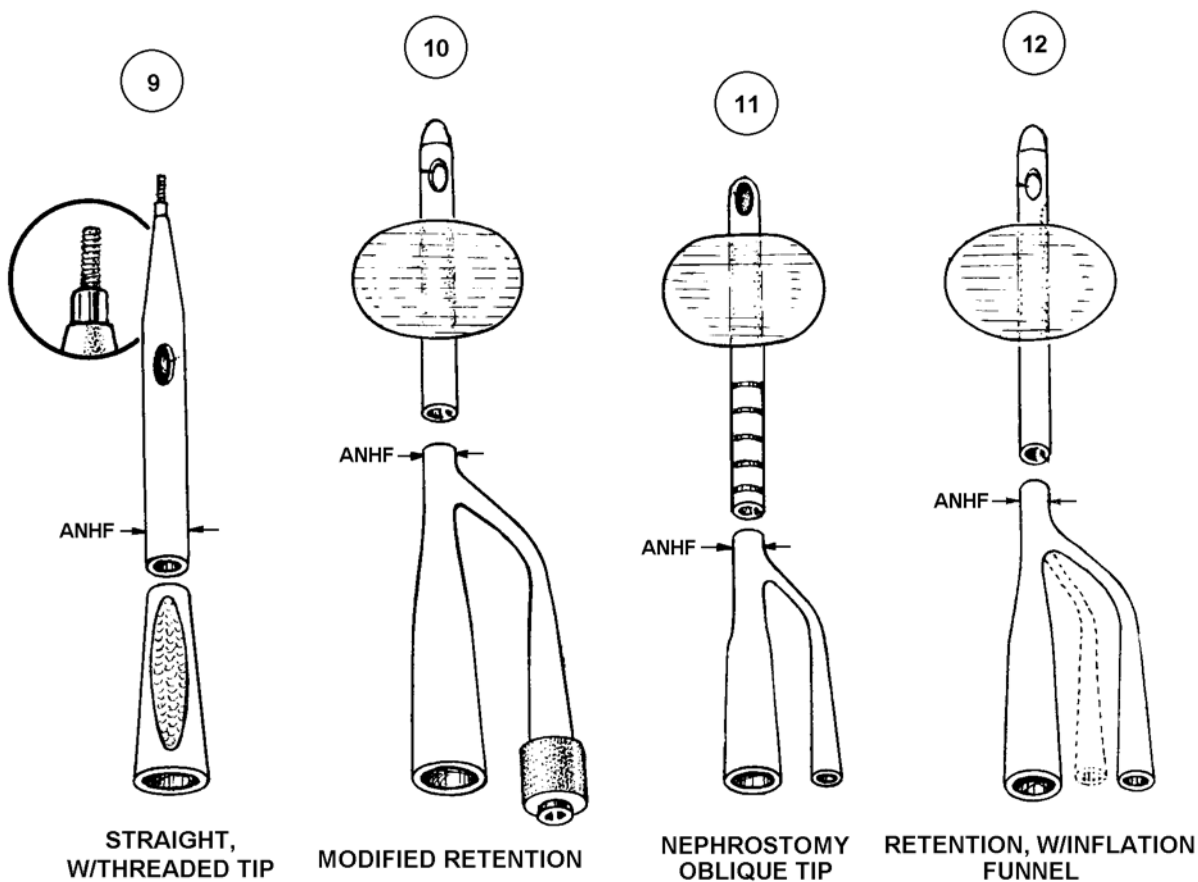
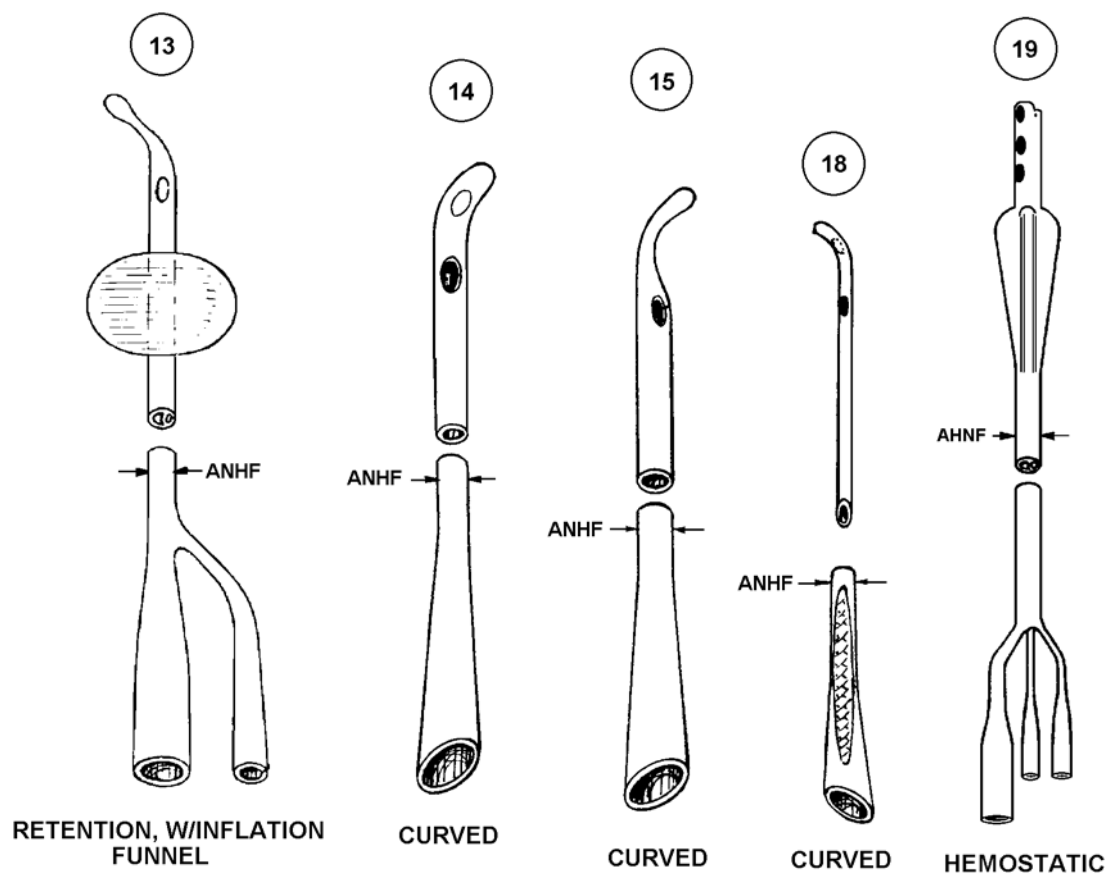


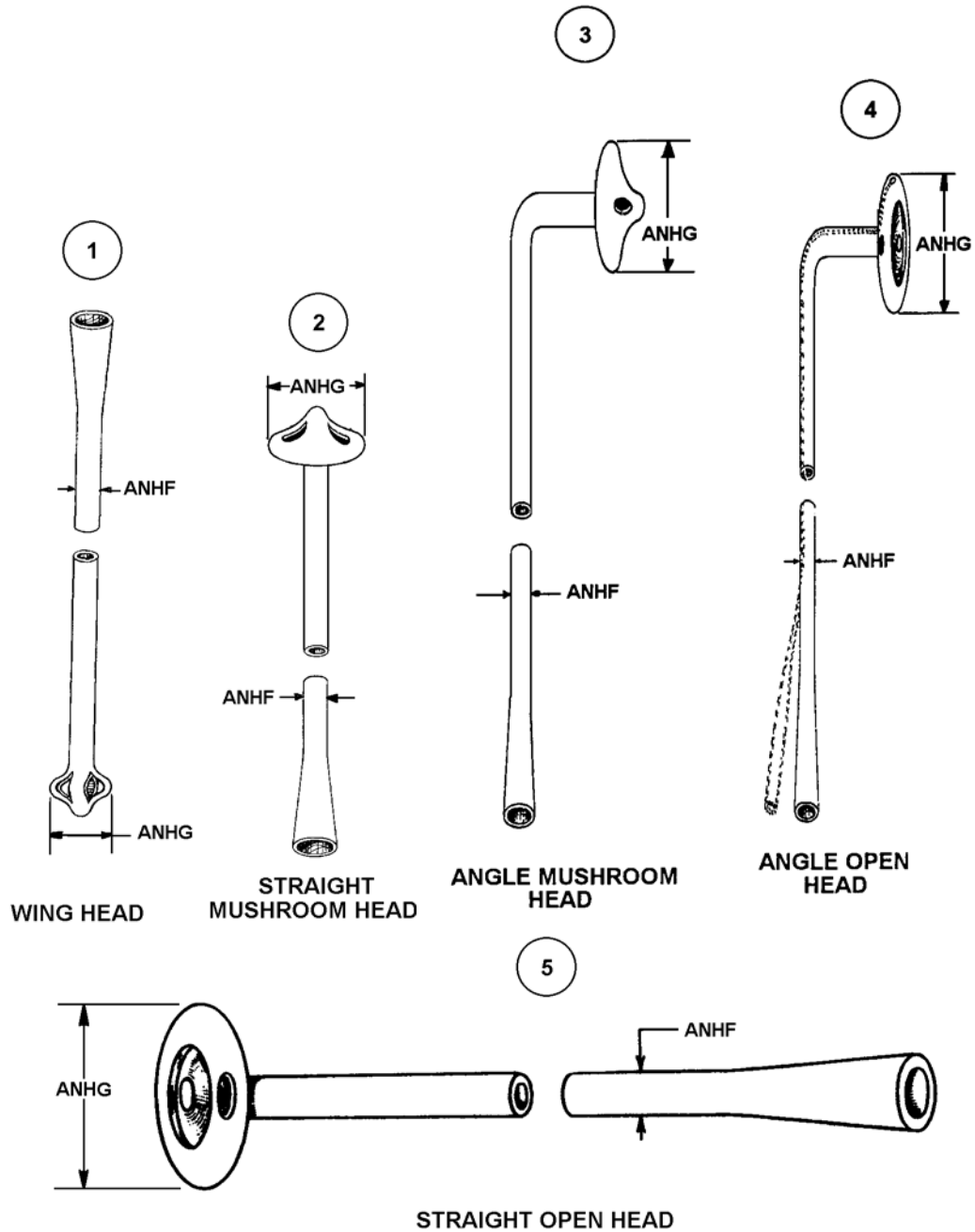
FIG A221  
APPENDIX B





REFERENCE DRAWING GROUP C

SURGICAL DRAINS





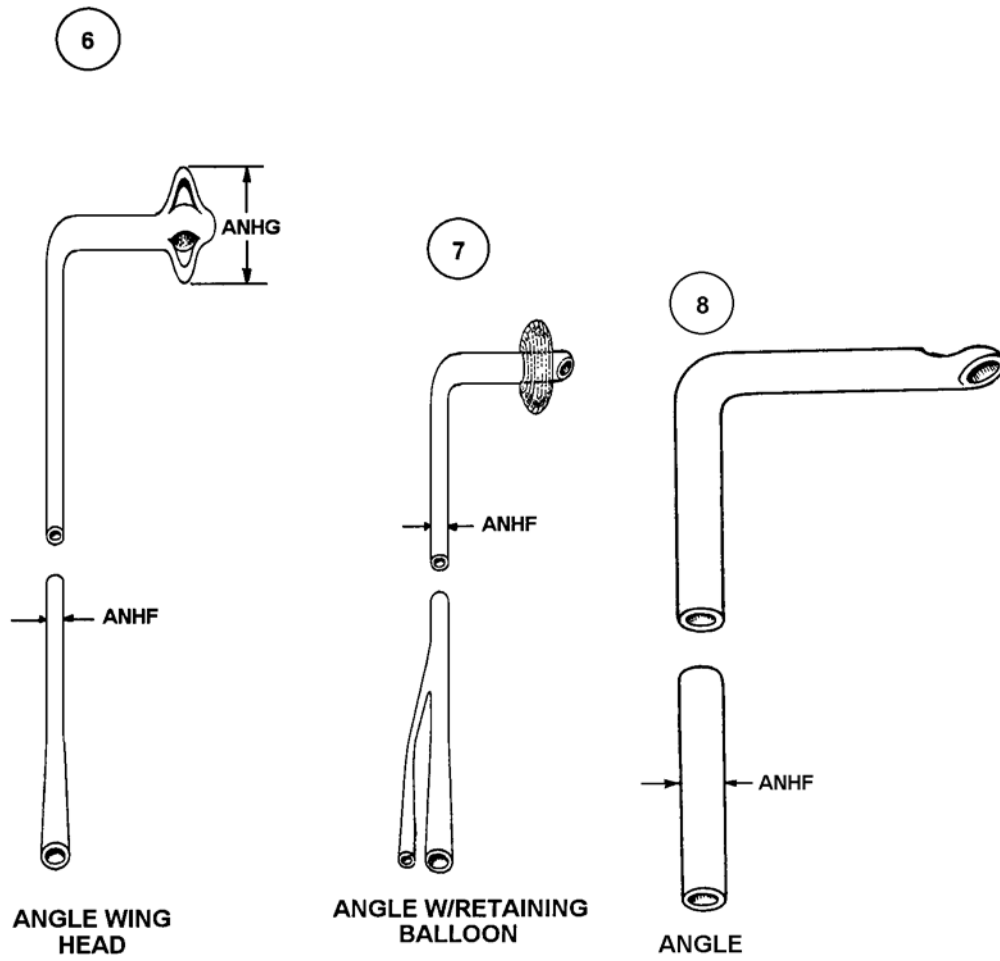
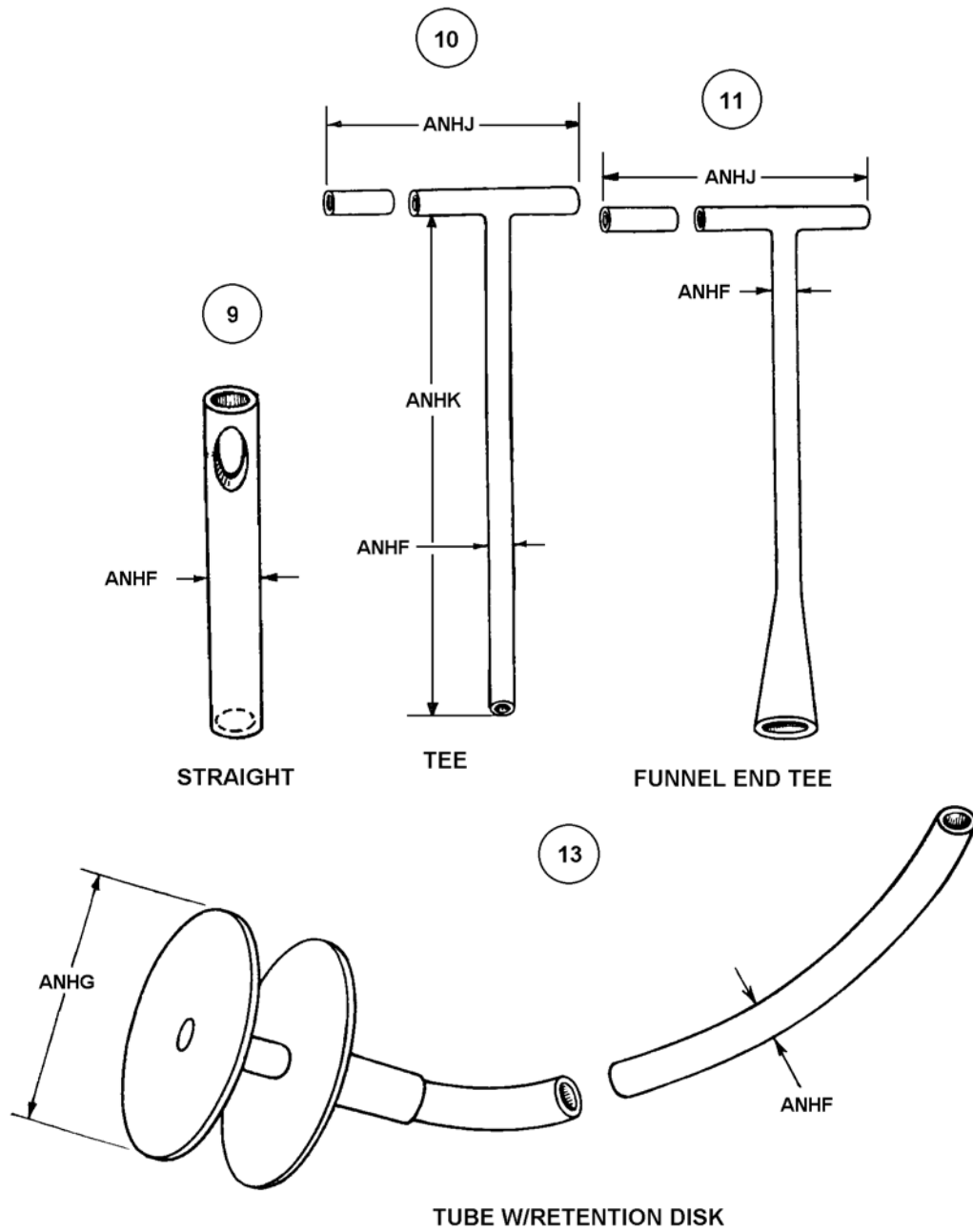
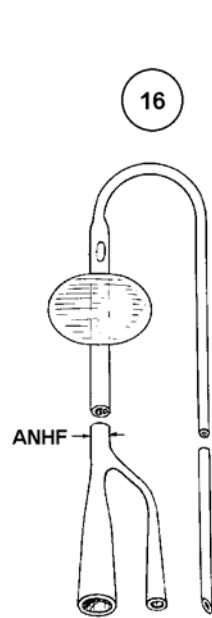
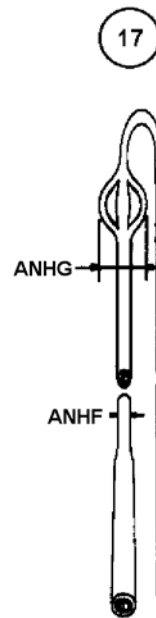


FIG A221  
APPENDIX B

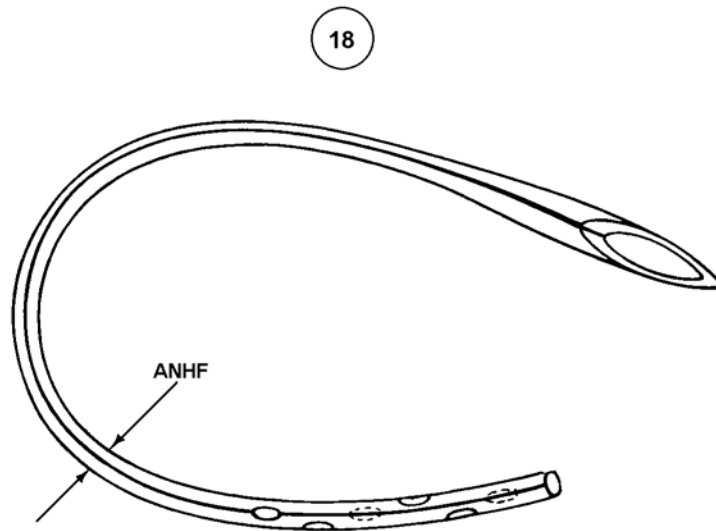




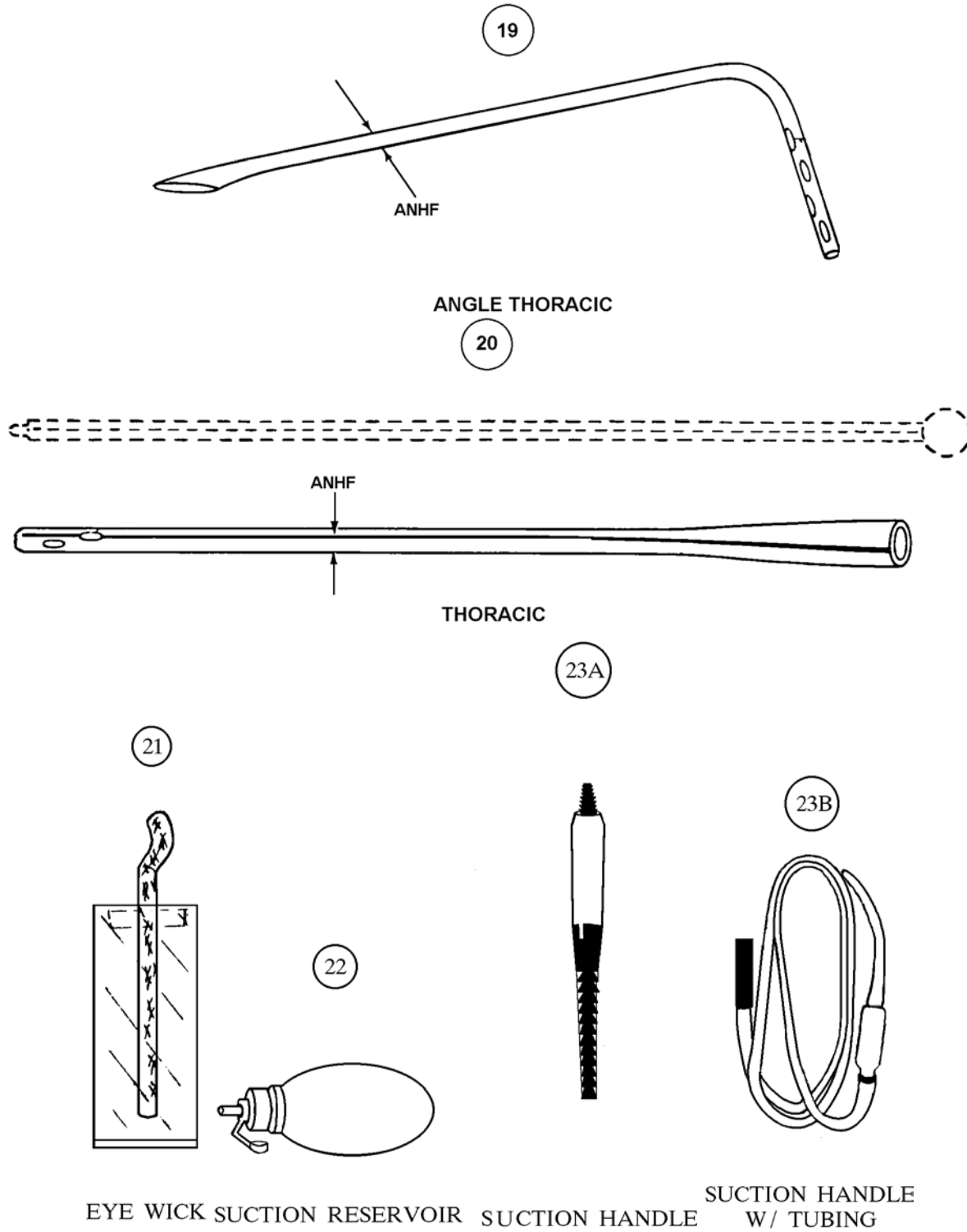
NEPHROSTOMY,  
W/URETERAL SPLINT  
AND BALLOON



NEPHROSTOMY, WING  
HEAD W/URETERAL SPLINT



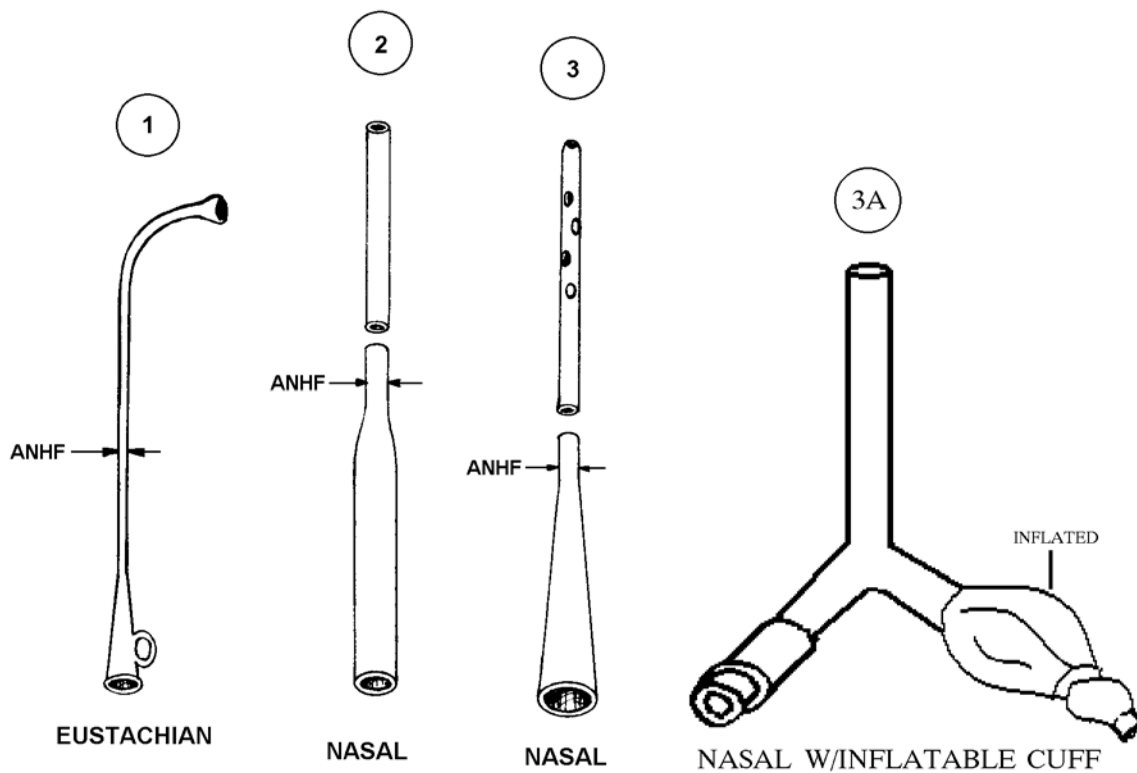
THORACIC

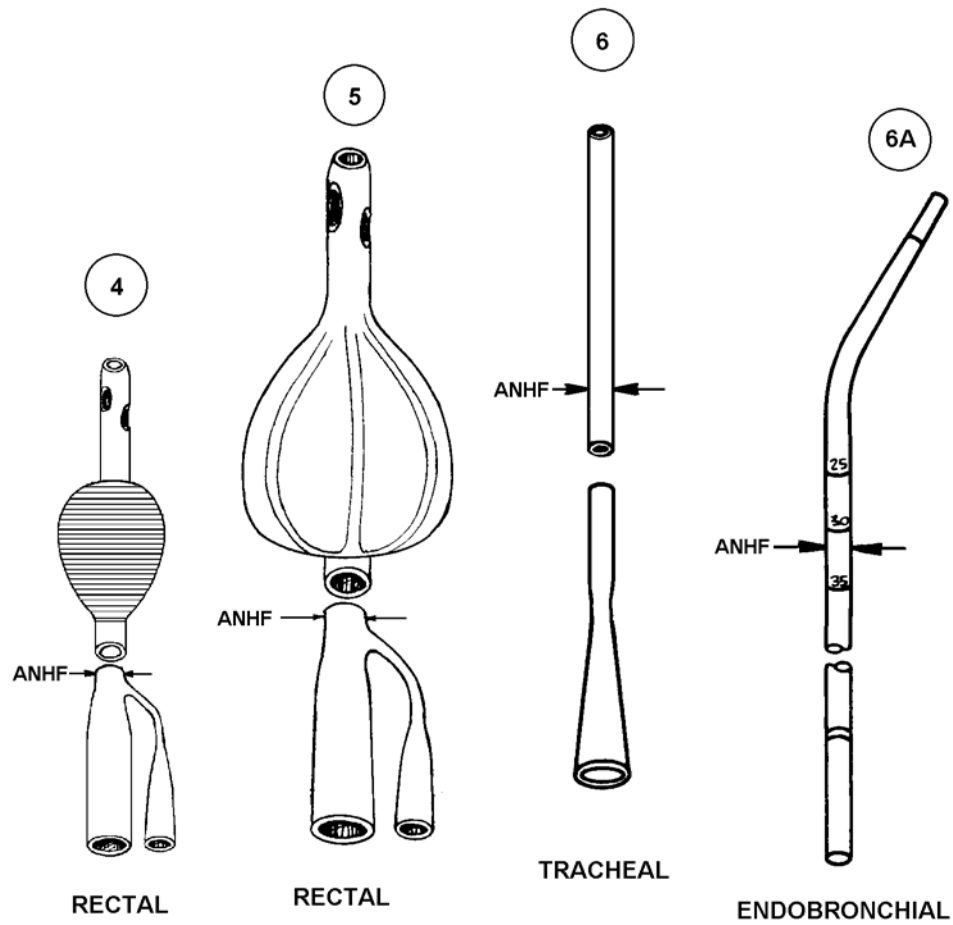




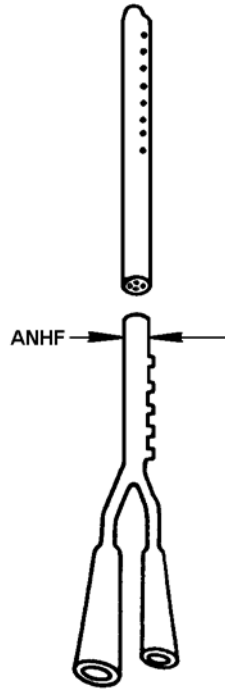
REFERENCE DRAWING GROUP D

CATHETERS, SPECIAL PURPOSE



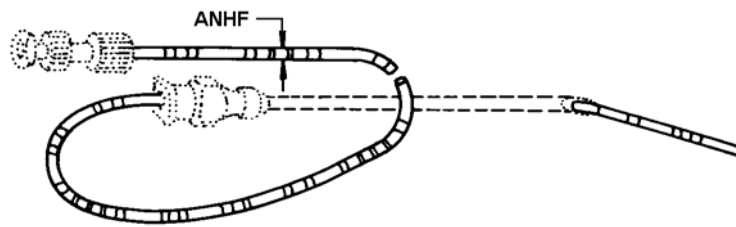


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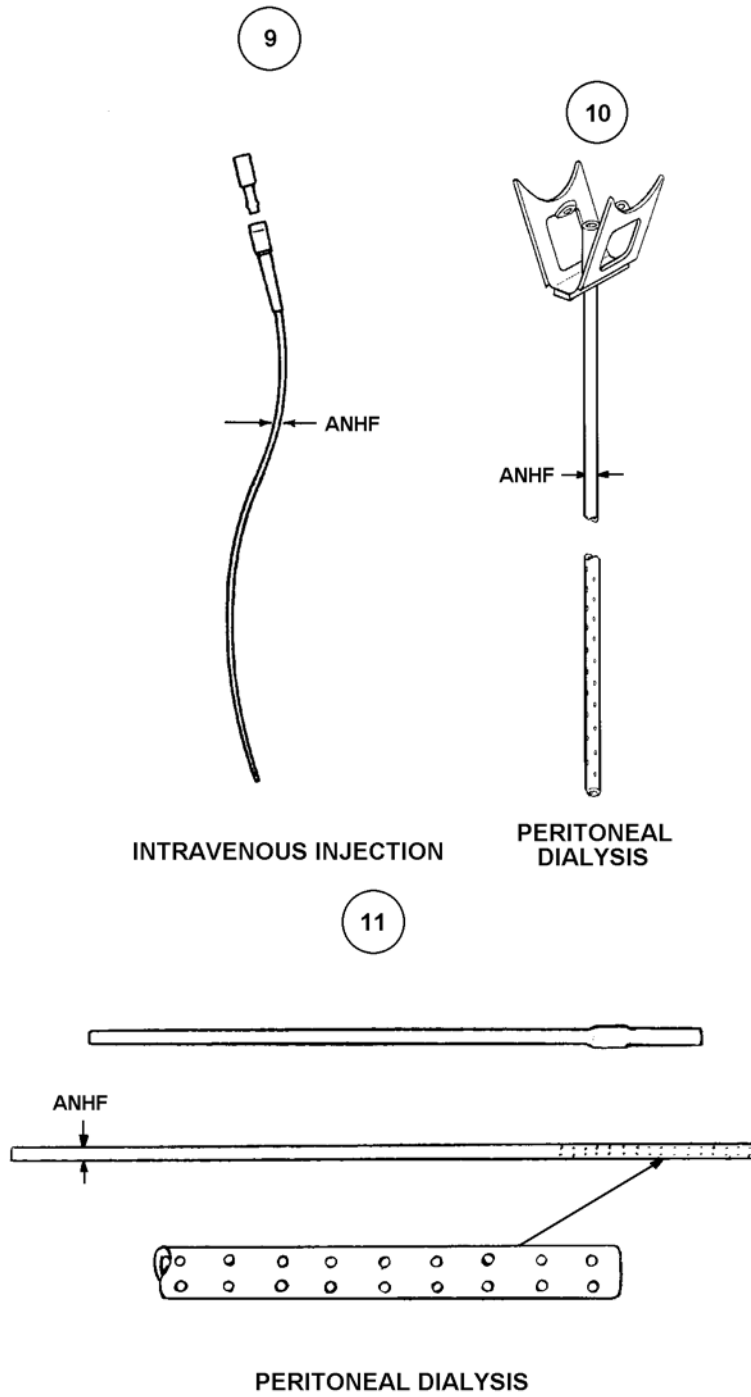
SUMP DRAIN

8

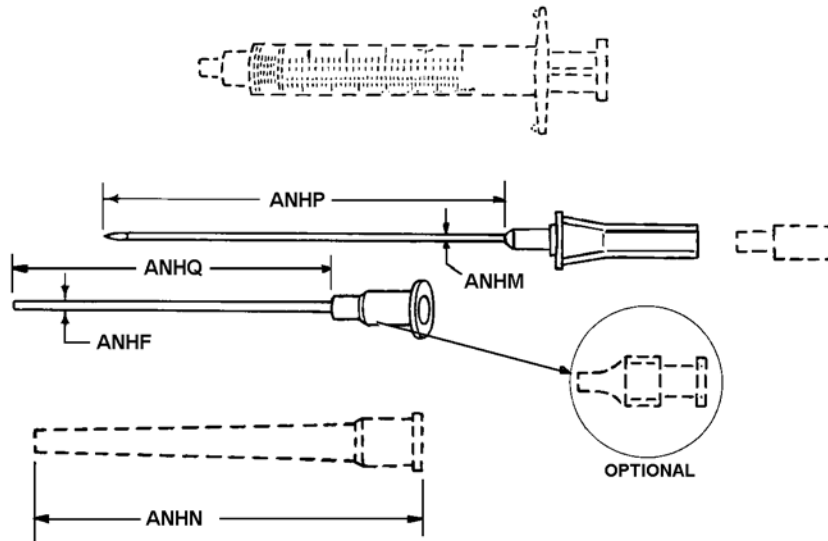


SPINAL ANESTHESIA



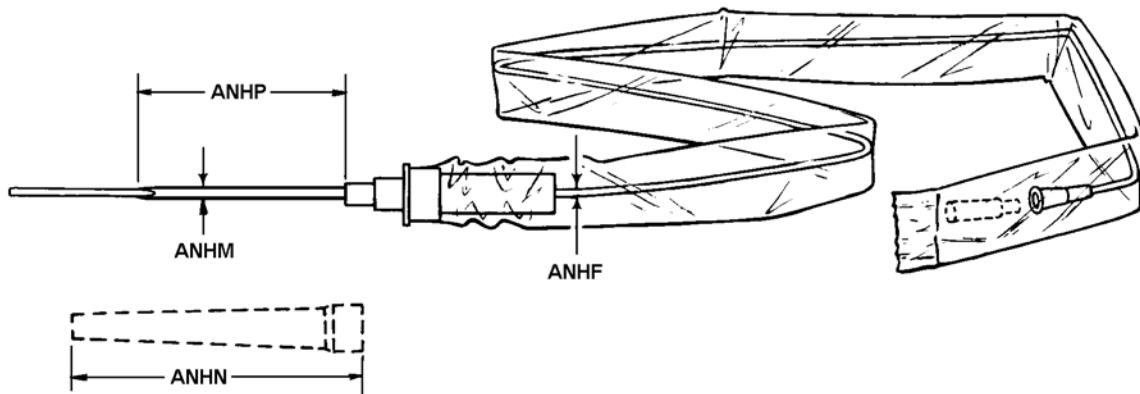


12



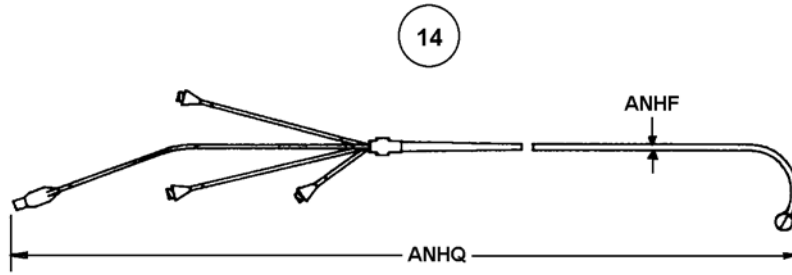
INTRAVENOUS CATHETER AND NEEDLE UNIT

13

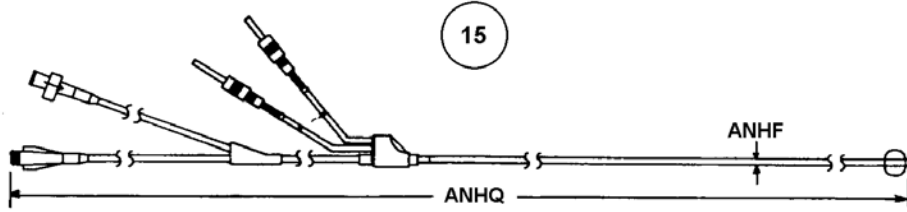


INTRAVENOUS CATHETER AND NEEDLE UNIT

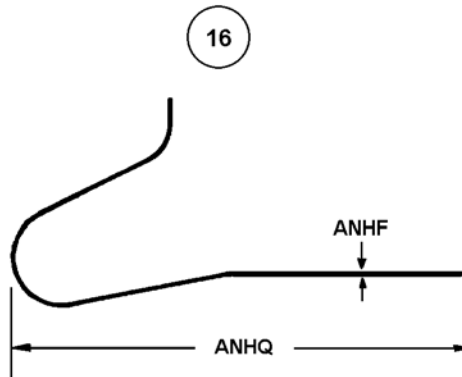
FIG A221  
APPENDIX B



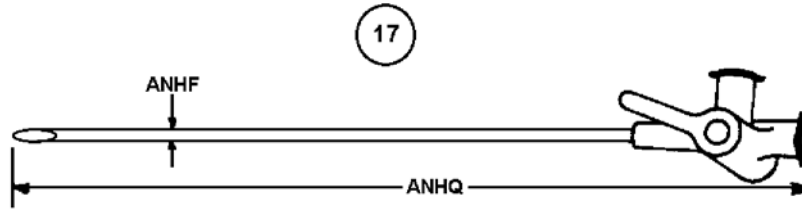
THERMODILUTION



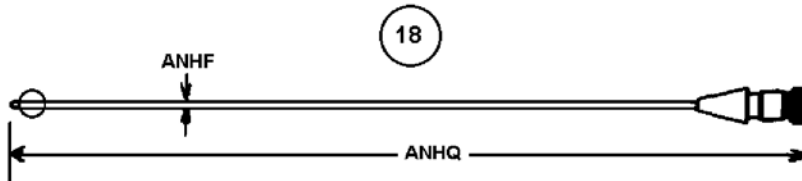
PACKING



FEMORAL-CEREBRAL

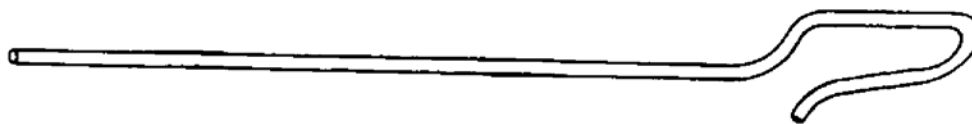


CHOLANGIOGRAPHY



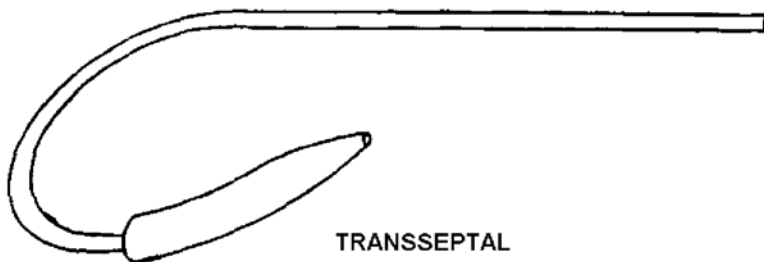
IRRIGATION

19



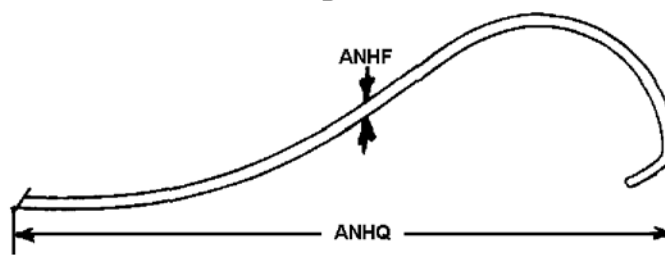
FEMORAL - VISCERAL

20



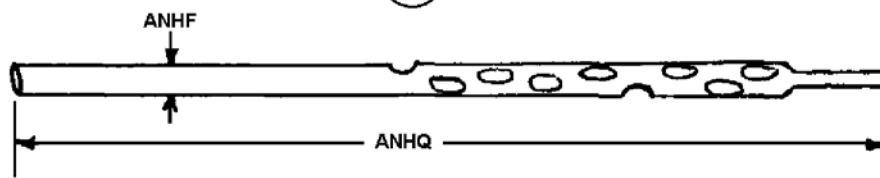
TRANSSEPTAL

21



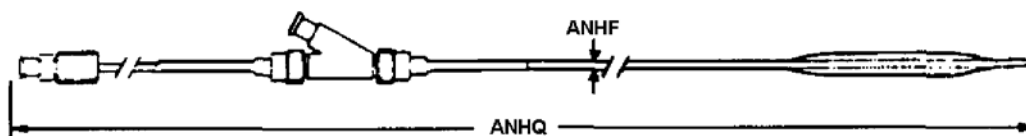
VISCERAL

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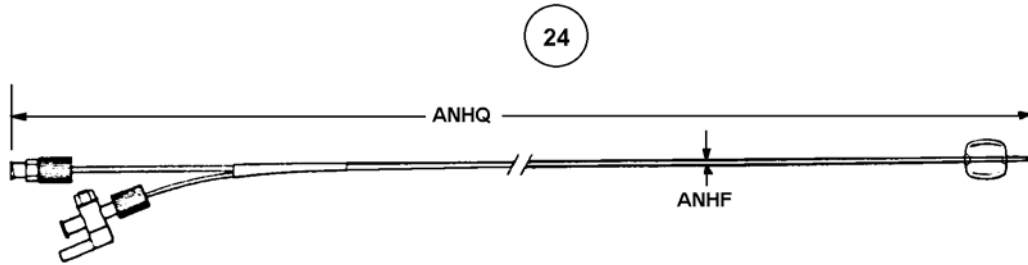


AORTOGRAM

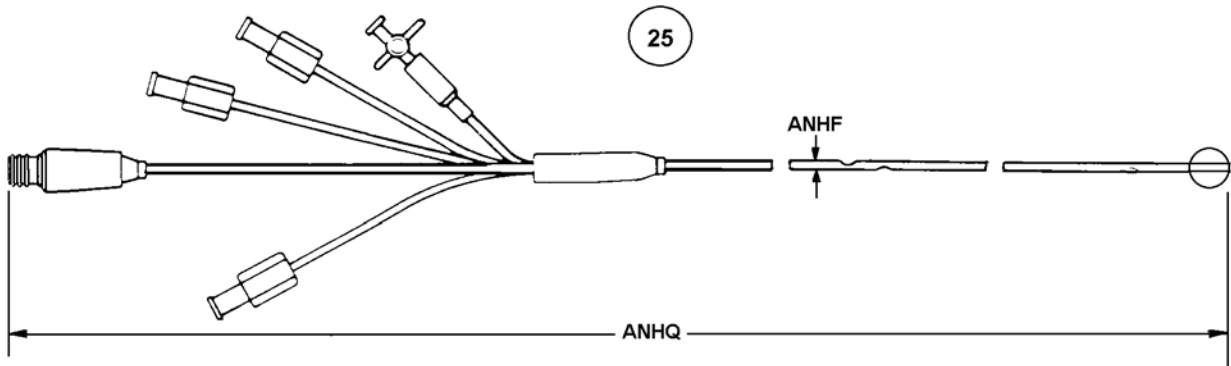
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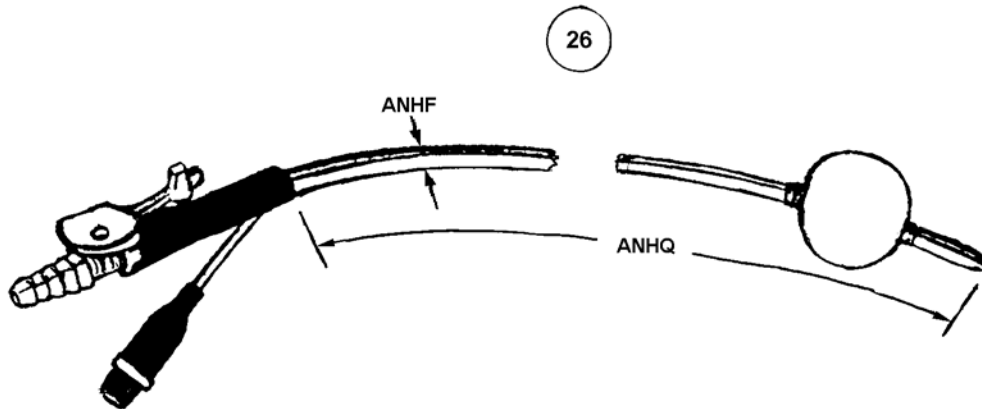
ANGIOPLASTY



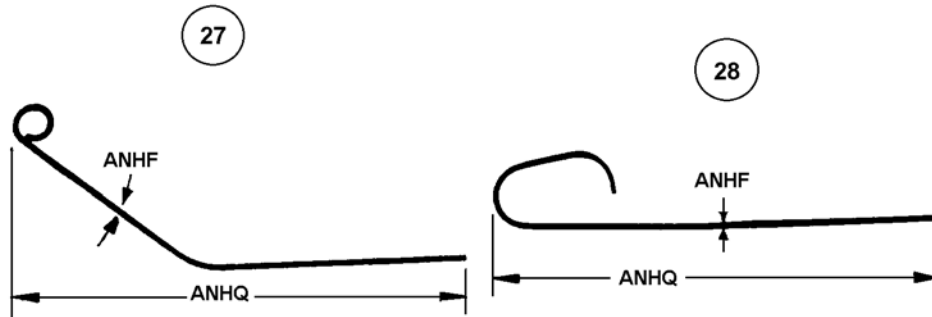
BALLOON EMBOLIZATION



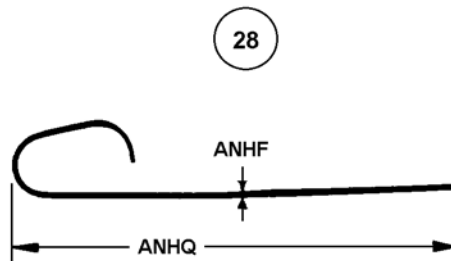
THERMODILUTION



JEJUNOSTOMY W/BALLOON



FEMORAL - VENTRICULAR



FEMORAL - LEFT CORONARY A

FIG A221  
APPENDIX B

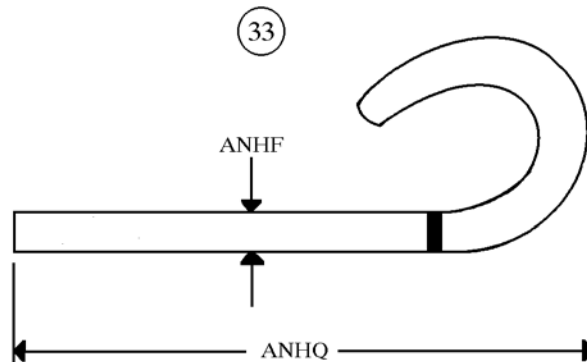
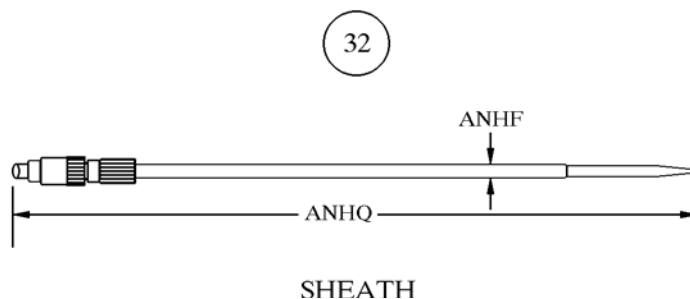
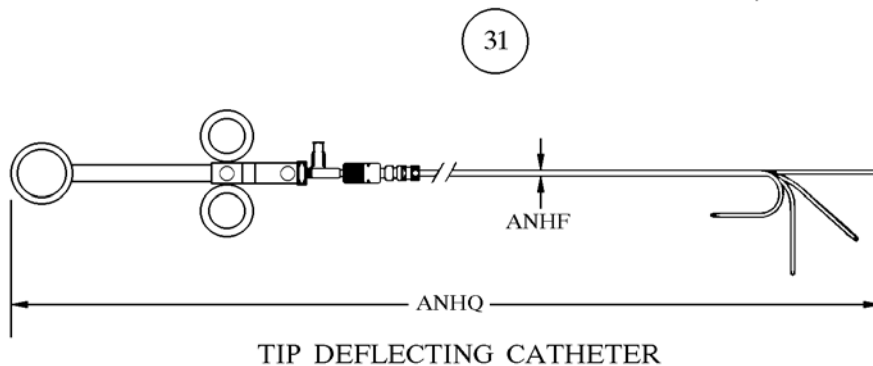
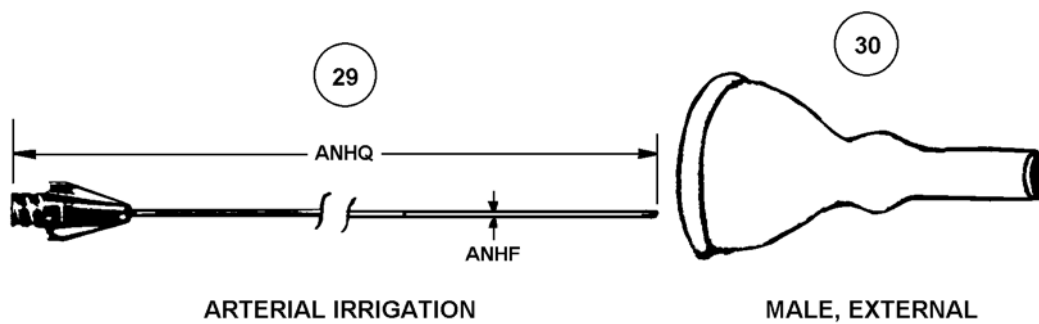


FIG A221  
APPENDIX B

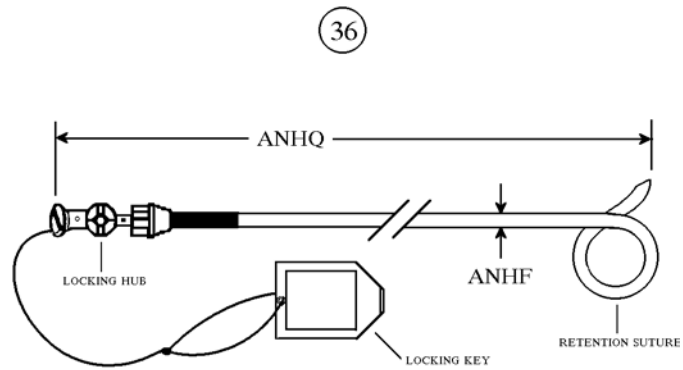
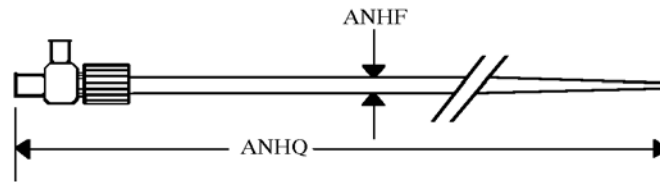
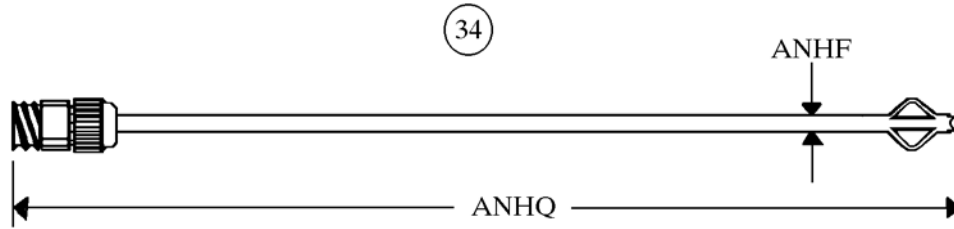
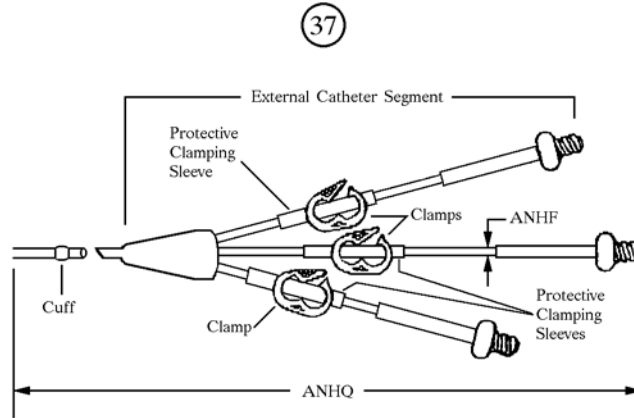
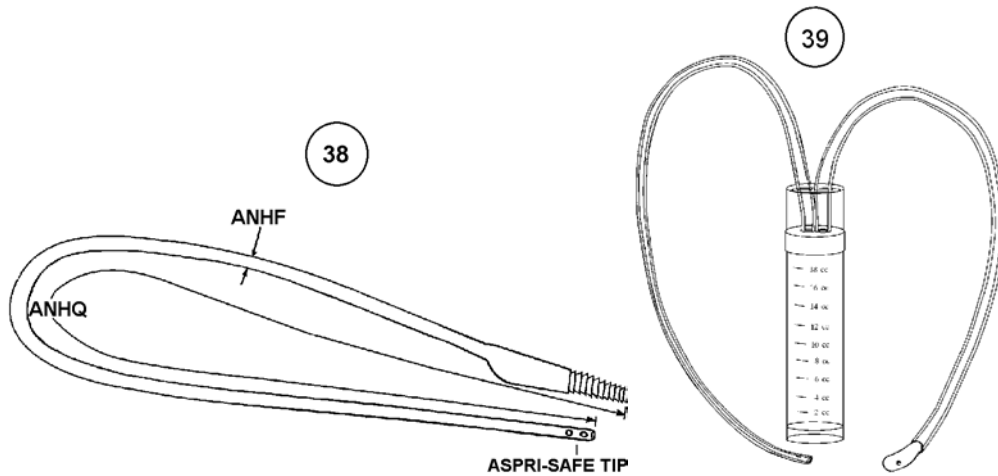


FIG A221  
APPENDIX B

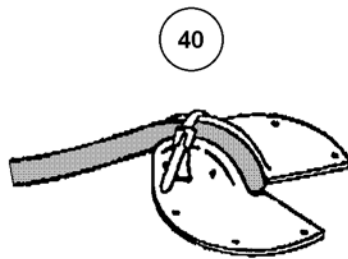


**CENTRAL VENOUS**  
(Hickman Triple Lumen Catheter)

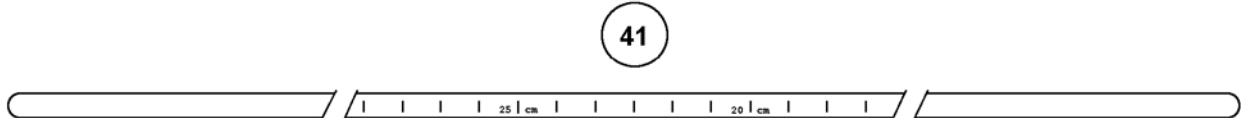


**SUCTION CATHETER**

**SUCTION CATHETER  
W/ MUCUS TRAP**



**CATHETER FIXATION DEVICE**  
(SHOWN WITH CATHETER)



**AIRWAY EXCHANGE CATHETER**

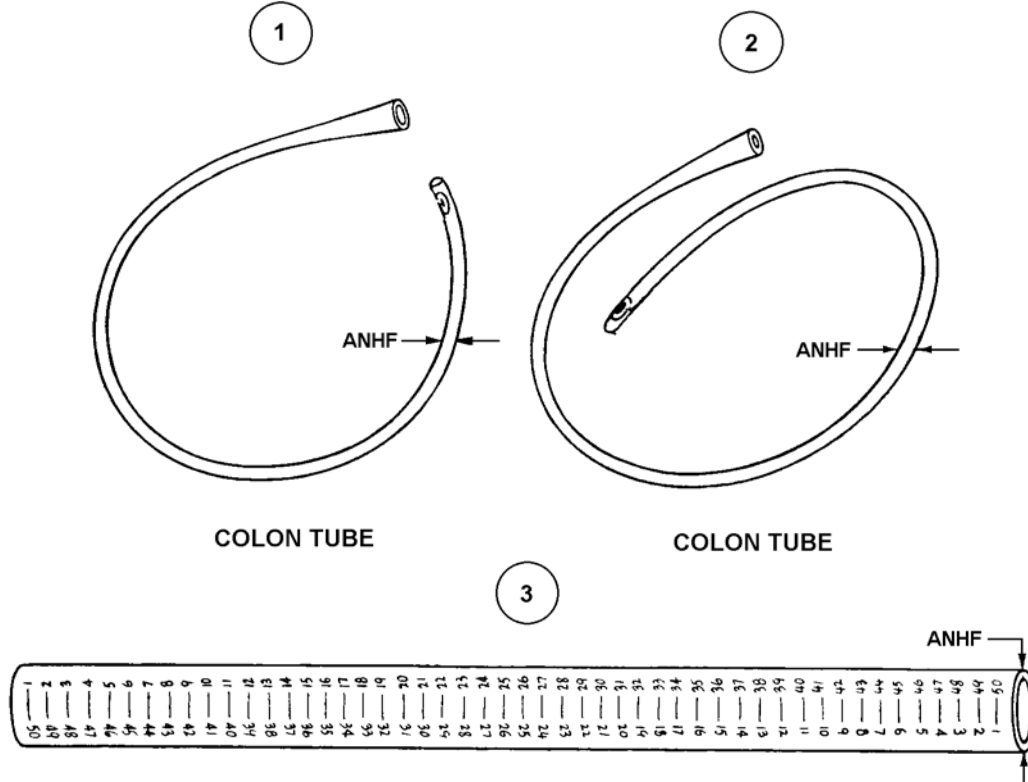




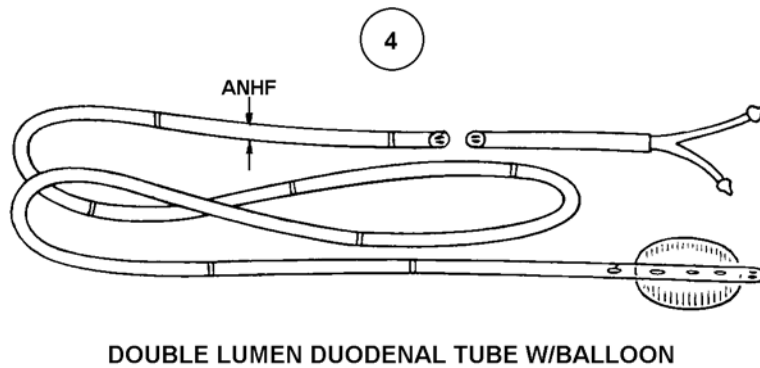


REFERENCE DRAWING GROUP E

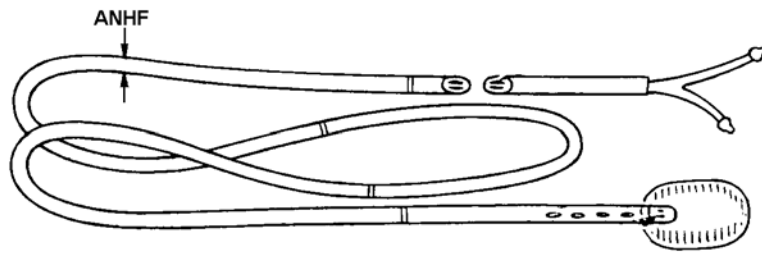
SPECIAL SURGICAL TUBES



DRAINAGE TUBING

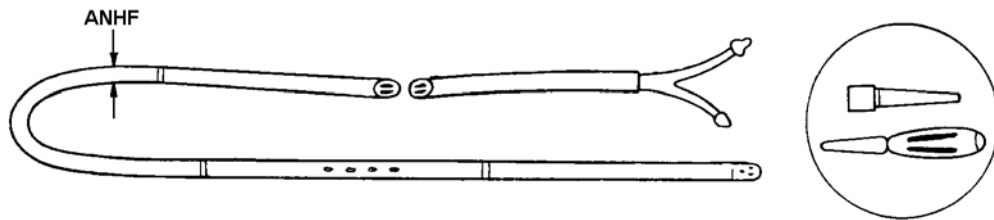


5



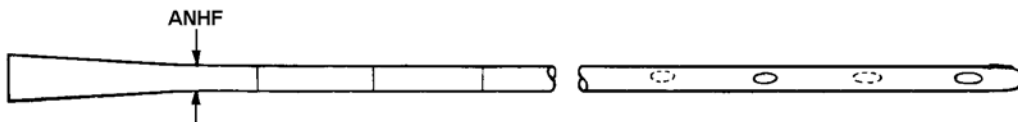
DOUBLE LUMEN DUODENAL TUBE  
W/BALLOON IN DISTAL TIP

6



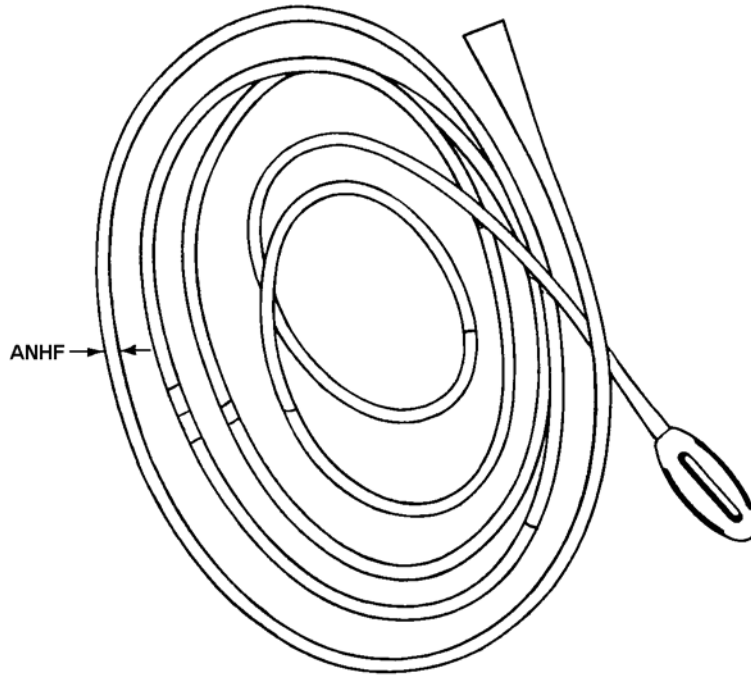
DOUBLE LUMEN DUODENAL TUBE W/O BALLOON

7



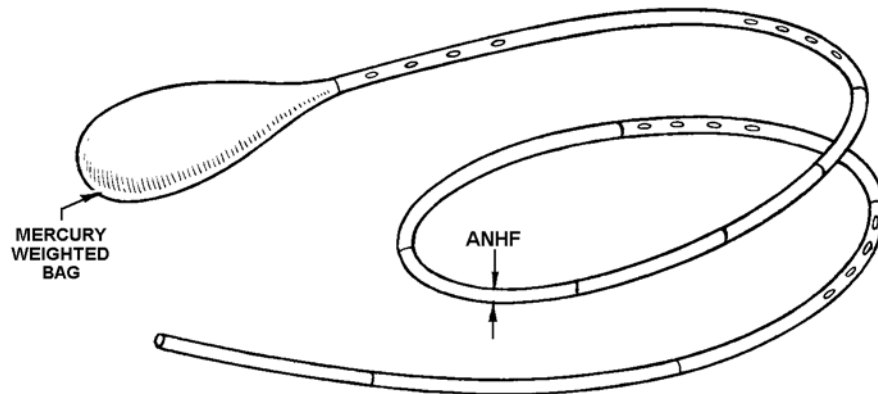
GASTRO-DUODENAL, CLOSED END

8

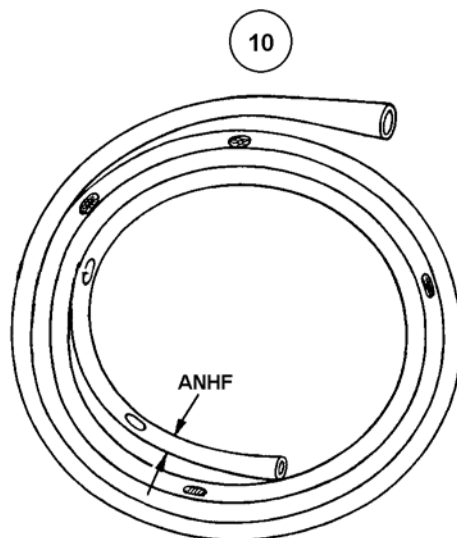


GASTRO-DUODENAL TUBE

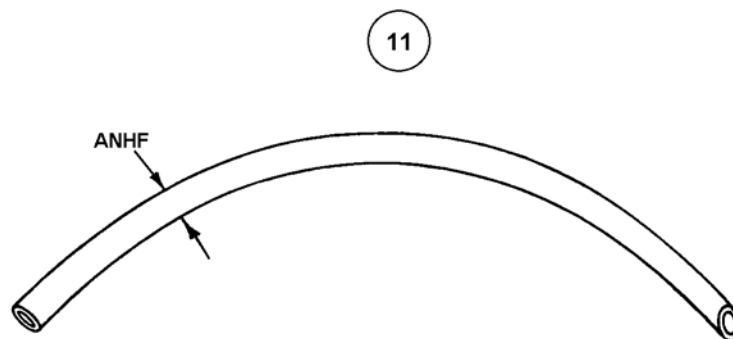
9



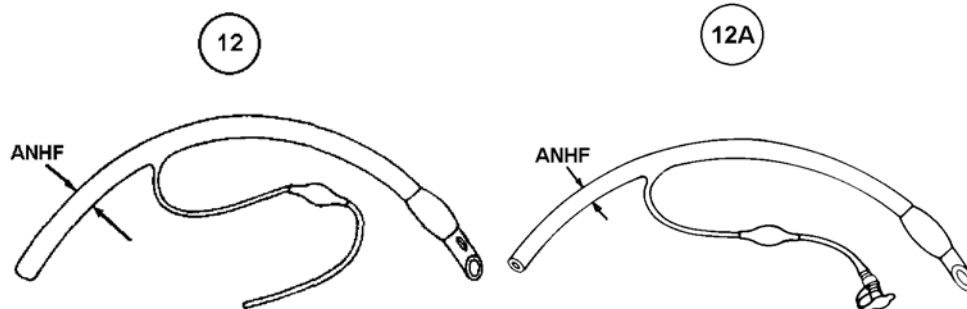
DUODENAL TUBE



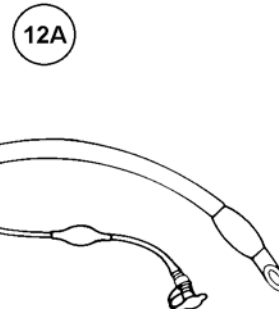
GASTRO-DUODENAL



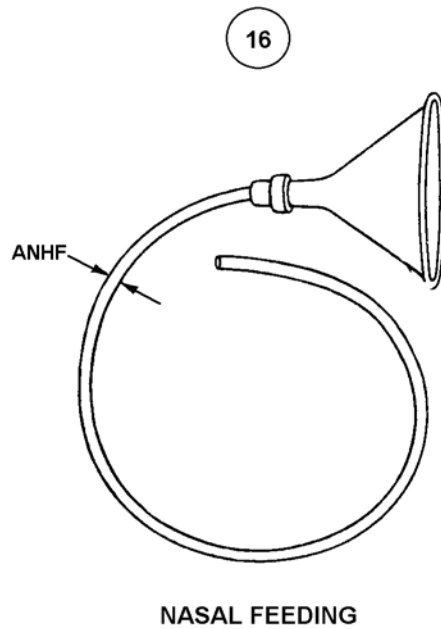
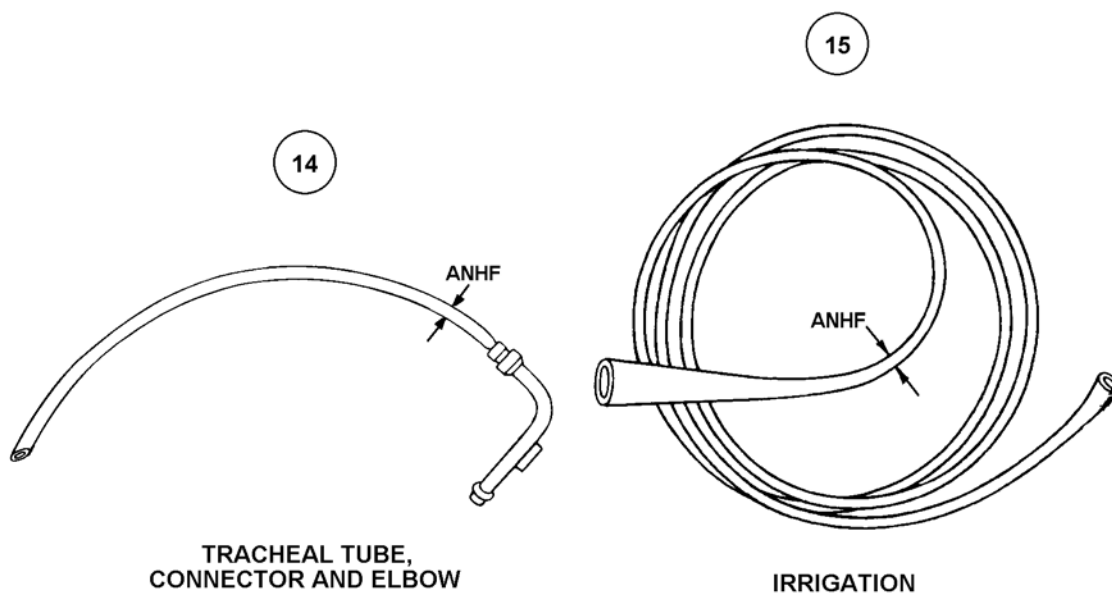
TRACHEAL W/O CUFF



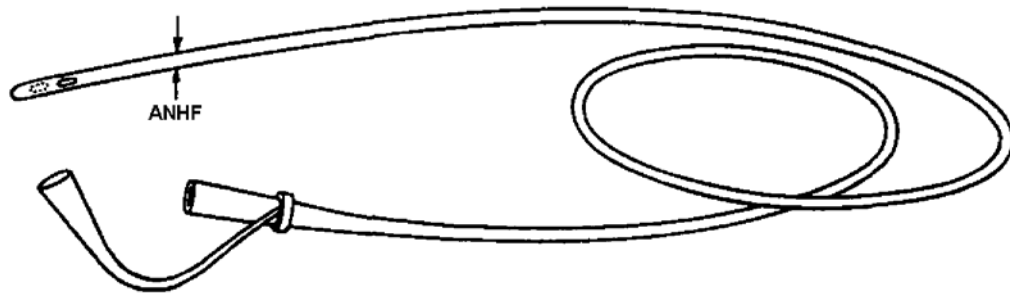
TRACHEAL W/CUFF



TRACHEAL

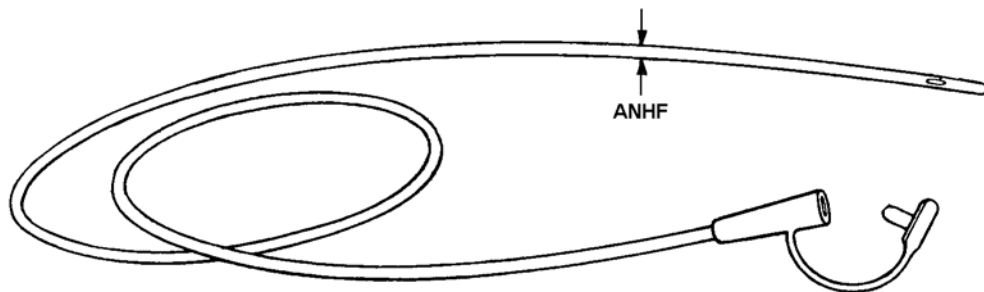


17



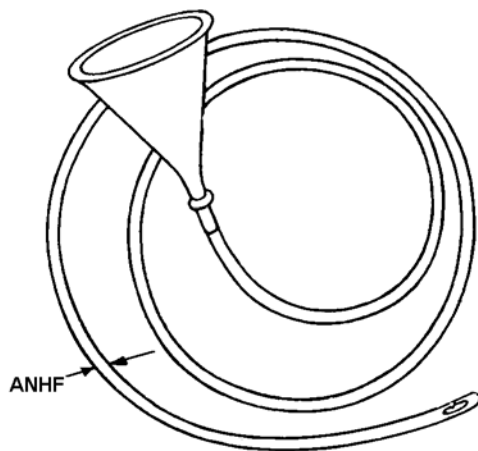
NASAL FEEDING W/LUER TAPER END

18



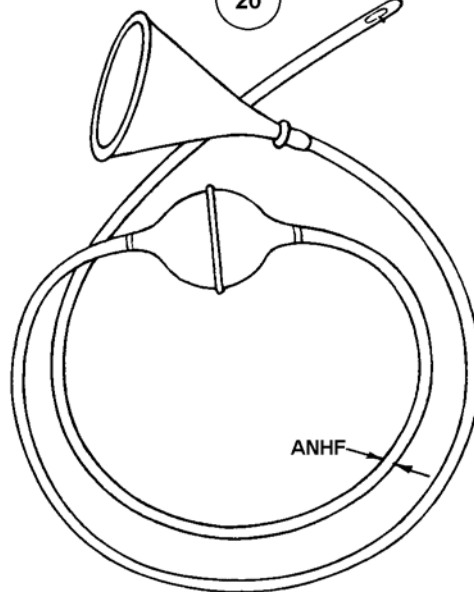
NASAL FEEDING W/LUER TAPER END AND PLUG

19



STOMACH W/FUNNEL

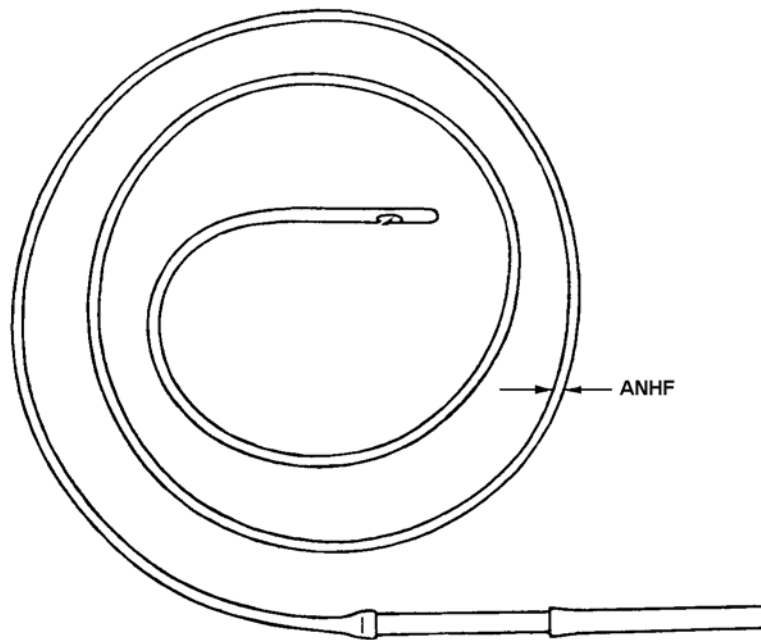
20



STOMACH W/FUNNEL AND BULB

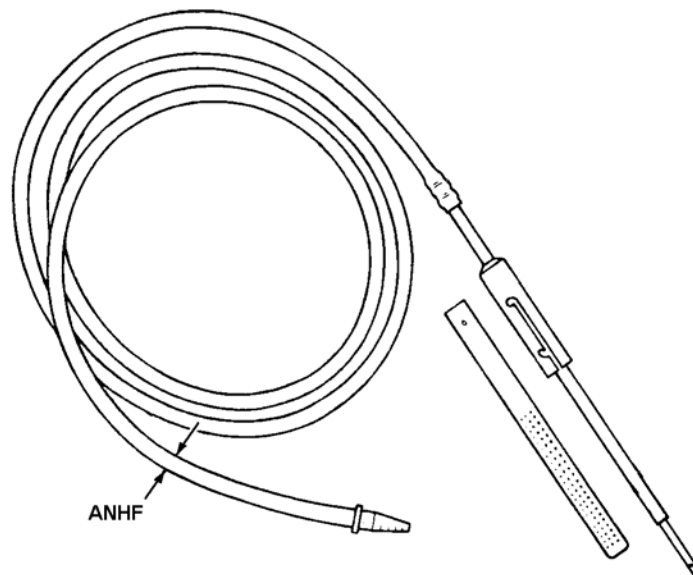


21



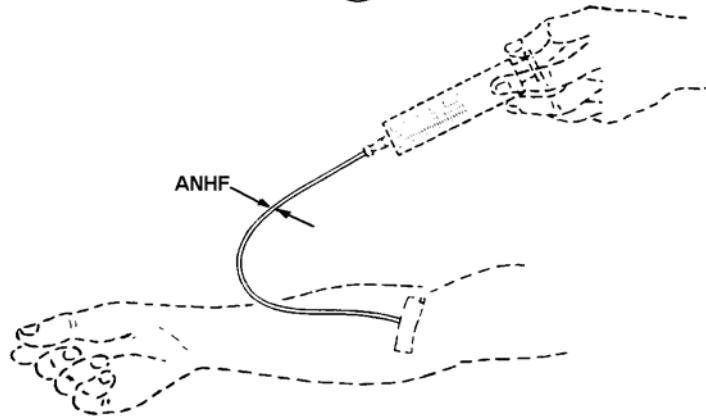
DUODENAL

22



SUCTION TUBE W/SLIDE LOCK TIP

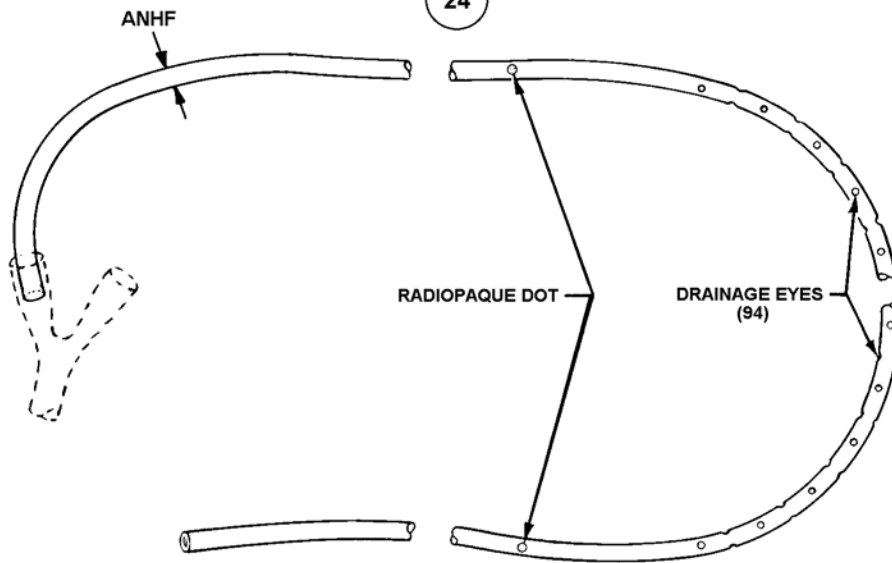
23



ANHf

INTRAVENOUS INJECTION

24

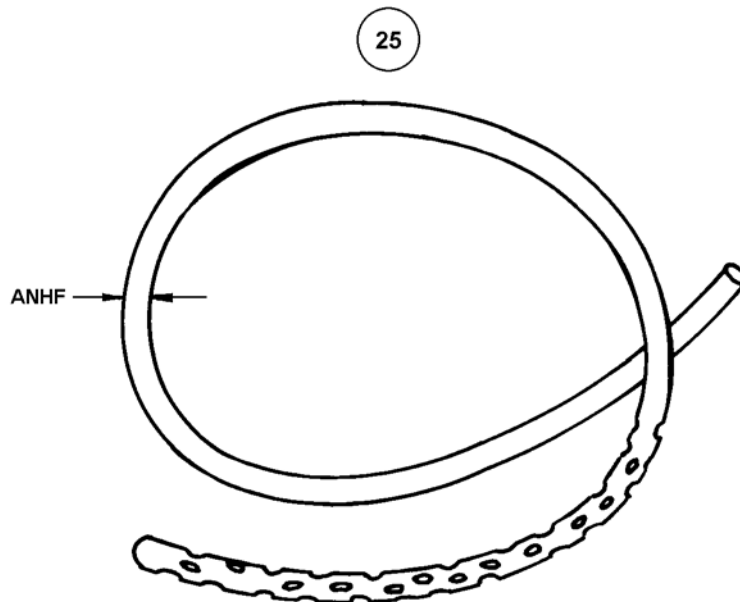


ANHf

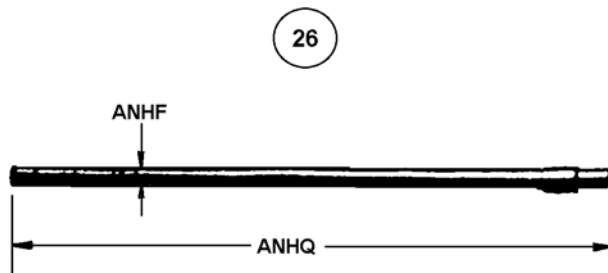
RADIOPAQUE DOT

DRAINAGE EYES  
(94)

WOUND EVACUATOR TUBE



WOUND EVACUATION TUBE



ENDOSCOPIC OVERTUBE

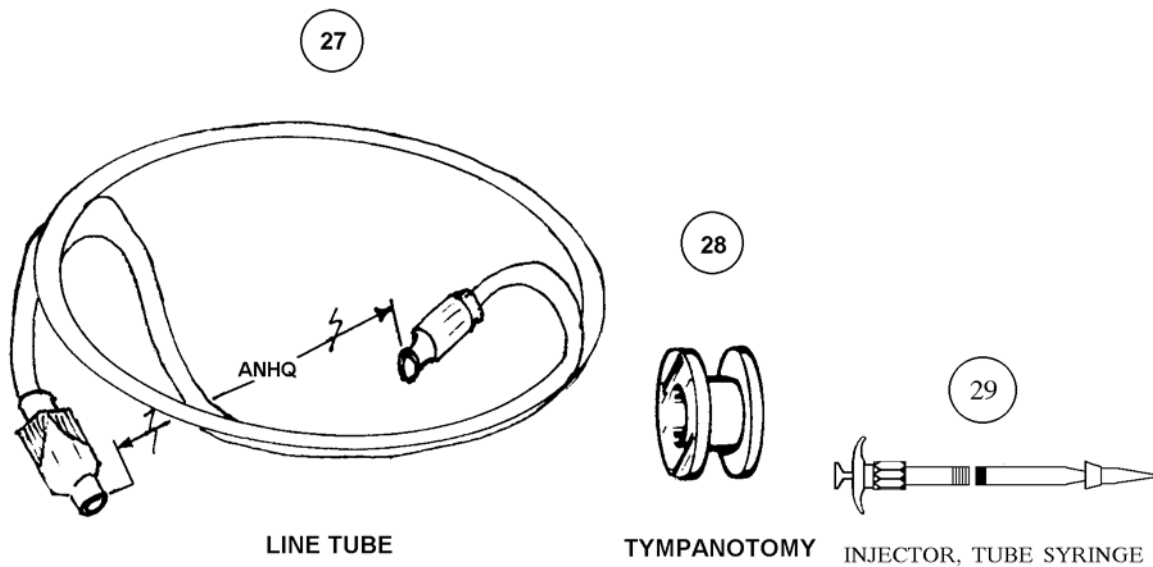
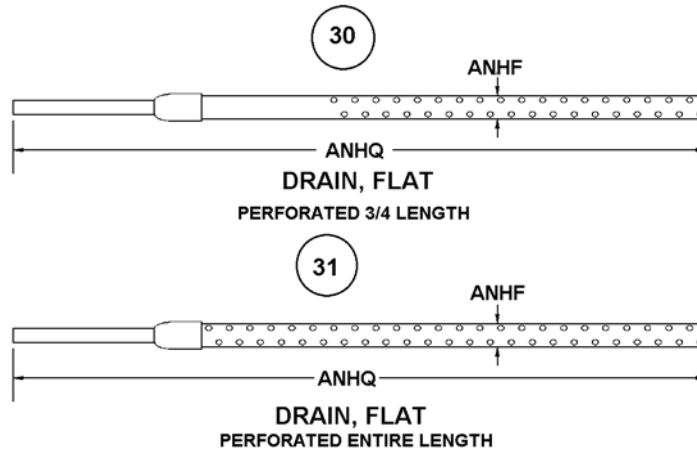


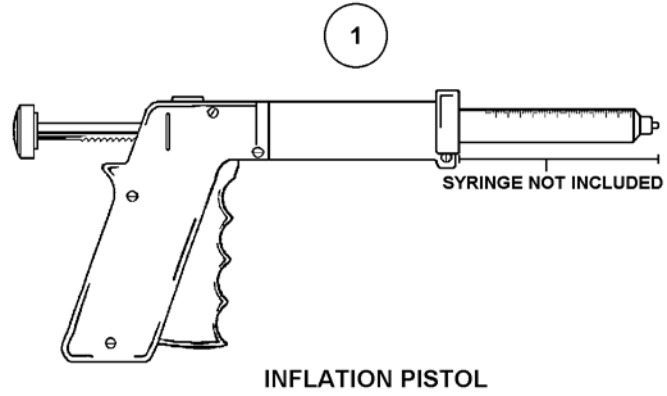
FIG A221  
APPENDIX B





REFERENCE DRAWING GROUP F

DILATION AND OCCLUSION BALLOONS



## Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART .....	102
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FIIG A221  
APPENDIX C

STANDARD FRACTION TO DECIMAL CONVERSION CHART

<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>	<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	-----	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	-----	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	-----	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	-----	.219	.2188				23/32	-----	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	-----	.281	.2812				25/32	-----	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	-----	.344	.3438				27/32	-----	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	-----	.406	.4062				29/32	-----	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	-----	.469	.4688				31/32	-----	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

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APPENDIX C

NEEDLE WALL DIMENSIONS FOR STUBS USE

<u>Stubs Gage</u> <u>No.</u>	<u>THIN</u> <u>WALL</u>	<u>REGULAR</u> <u>WALL</u>	<u>HEAVY</u> <u>WALL</u>						
<u>Inside</u> <u>Diameter.</u> <u>Cannula</u> <u>(inches)</u>	<u>Inside</u> <u>Diameter.</u> <u>Cannula</u> <u>(inches)</u>	<u>Inside</u> <u>Diameter.</u> <u>Cannula</u> <u>(inches)</u>							
<u>Min.</u>	<u>Nominal</u>	<u>Max.</u>	<u>Min.</u>	<u>Nominal</u>	<u>Max.</u>	<u>Min.</u>	<u>Nominal</u>	<u>Max.</u>	
33	.0045	.005	.0060	.0035	.004	.0050			
32	.0045	.005	.0060	.0035	.004	.0050			
31	.0055	.006	.0070	.0045	.005	.0060			
30	.0065	.007	.0080	.0055	.006	.0070	.0044	.005	.0061
29	.0075	.008	.0090	.0065	.007	.0080	.0054	.006	.0071
28	.0075	.008	.0090	.0065	.007	.0080	.0034	.004	.0051
27	.0095	.010	.0110	.0075	.0075	.0090	.0054	.006	.0071
26	.0115	.012	.0130	.0095	.0095	.0110	.0074	.008	.0091
25	.0115	.012	.0130	.0095	.0095	.0110	.0072	.008	.0093
24	.0135	.014	.0150	.0115	.0115	.0130	.0092	.010	.0113
23	.0150	.015	.0165	.0125	.0125	.0140	.0092	.010	.0113
22	.0180	.018	.0195	.0155	.0155	.0170	.0122	.013	.0143
21	.0220	.022	.0235	.0195	.0195	.0210	.0162	.017	.0183
20	.0255	.0255	.0270	.0230	.023	.0245	.0197	.0205	.0218
19	.0300	.0315	.0330	.0255	.027	.0285	.0210	.0225	.0240
18	.0410	.042	.0430	.0315	.033	.0345	.0285	.030	.0315
17	.0445	.046	.0475	.0395	.041	.0425	.0375	.039	.0405
16	.0505	.052	.0535	.0455	.047	.0485	.0405	.042	.0435
15	.0575	.059	.0605	.0525	.054	.0555	.0475	.049	.0505
14	.0690	.071	.0730	.0600	.063	.0660	.0400	.043	.0460
13	.0740	.077	.0800	.0680	.071	.0740	.0620	.065	.0680
12	.0880	.091	.0940	.0820	.085	.0880	.0760	.079	.0820
11	.0970	.100	.1030	.0910	.094	.0970	.0840	.087	.0900
10	.1110	.114	.1170	.1030	.106	.1090	.0960	.099	.1020
9	.1230	.126	.1290	.1150	.118	.1210	.1070	.110	.1130
8	.1400	.143	.1460	.1320	.135	.1380	.1220	.125	.1280
7	.1550	.158	.1610	.1470	.150	.1530	.1370	.140	.1430
6	.1780	.181	.1840	.1700	.173	.1760	.1600	.163	.1660

SOURCE: APPLICABLE FEDERAL AND MILITARY SPECIFICATION

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APPENDIX C

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

<u>OUNCES</u>	<u>POUNDS</u>
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

NOMINAL DIAMETER TO FRENCH SIZE CROSS-REFERENCE

OUTSIDE DIA IN INCHES    STANDARD REPLY FRENCH SIZE

<u>MIN</u>	<u>MAX</u>	
0.006	0.019	1
0.020	0.032	2
0.033	0.045	3
0.046	0.059	4
0.060	0.072	5
0.073	0.085	6
0.086	0.098	7
0.099	0.111	8
0.112	0.124	9
0.125	0.143	10
0.144	0.157	11
0.158	0.169	12
0.170	0.183	13

FIIG A221  
APPENDIX C

OUTSIDE DIA IN INCHES    STANDARD REPLY FRENCH SIZE

<u>MIN</u>	<u>MAX</u>	
0.184	0.196	14
0.197	0.209	15
0.210	0.222	16
0.223	0.235	17
0.236	0.248	18
0.249	0.262	19
0.263	0.275	20
0.276	0.287	21
0.288	0.301	22
0.302	0.314	23
0.315	0.327	24
0.328	0.340	25
0.341	0.353	26
0.354	0.366	27
0.367	0.379	28
0.380	0.392	29
0.393	0.406	30
0.407	0.419	31
0.420	0.432	32
0.433	0.445	33
0.446	0.458	34
0.459	0.471	35
0.472	0.484	36
0.485	0.498	37
0.499	0.511	38
0.512	0.524	39
0.525	0.536	40

NEEDLE DIAMETER TO STUBS GAGE NUMBERS

OUTSIDE NEEDLE DIA IN INCHES    STANDARD REPLY GAGE

<u>MIN</u>	<u>MAX</u>	<u>NOM</u>	
0.0075	0.0085	0.008	33
0.0086	0.0095	0.009	32
0.0100	0.0105	0.010	31

FIIG A221  
APPENDIX C

OUTSIDE NEEDLE DIA IN INCHES    STANDARD REPLY GAGE

<u>MIN</u>	<u>MAX</u>	<u>NOM</u>	
0.0115	0.0125	0.012	30
0.0126	0.0135	0.013	29
0.0135	0.0145	0.014	28
0.0155	0.0165	0.016	27
0.0175	0.0185	0.018	26
0.0195	0.0205	0.020	25
0.0215	0.0225	0.022	24
0.0245	0.0255	0.025	23
0.0275	0.0285	0.028	22
0.0315	0.0325	0.032	21
0.034	0.036	0.035	20
0.0405	0.0435	0.042	19
0.0475	0.0505	0.050	18
0.0565	0.0595	0.059	17
0.0635	0.0665	0.065	16
0.070	0.074	0.072	15
0.081	0.085	0.083	14
0.093	0.097	0.095	13
0.107	0.111	0.109	12
0.118	0.122	0.120	11
0.132	0.136	0.134	10
0.137	0.150	0.148	9
0.163	0.167	0.165	8
0.178	0.182	0.180	7
0.201	0.205	0.203	6

## FIIG Change List

### FIIG Change List, Effective January 1, 2010

Updated Reply Instructions for MRC NAME.

Deleted SAC coding from MRC ANNQ.

Deleted A ANY ACCEPTABLE from MRC AAPC.

Deleted A ANY ACCEPTABLE from MRC ANFS.

Added Reply Codes BA, AA, BB, and, BC to table AD08 for MRC ZZZT.

Deleted MRC AWJN from FIIG (shipping MRC).

Deleted MRC ECWT from FIIG (shipping MRC).

Deleted MRC EXME from FIIG (shipping MRC).

Deleted MRC EXQT from FIIG (shipping MRC).

Deleted MRC PKTY from FIIG (shipping MRC).

Deleted MRC PKQT from FIIG (shipping MRC).

Deleted MRC SUCB from FIIG (shipping MRC).

Deleted MRC SUWT from FIIG (shipping MRC).